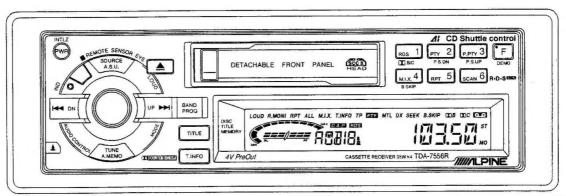


# FM/MW/LW/RDS Cassette Receiver

### CD Shuttle Controller

- The model described in this manual is developed from Model TDM-7531R/TDM-7532R/TDM-7535R. For information that is not mentioned in this service manual, refer to the Service Manual TDM-7531R/TDM-7532R/TDM-7535R (Part No. 68E21961S01). + 366 2/32/5/5
- For the cassette deck mechanism parts (GR75S120/130) of this model, refer to the Service Manual GR-S Series (Part No. 68E23241S01): 24 129[11/5]



(TDA-7556R)

### Contents -Specifications \_\_\_\_\_\_2 LCD Display ......11 Refer to the Service Manual • TDM-7531R/TDM-7532R/TDM-7535R Tuner Schematic Diagram (Part No. 68E21961S01). **Specifications** NOTE: Refer to the Service Manual • TDM-7531R/7532R/7535R (Part No. 68E21961S01) for description not mentioned in this manual. **TAPE PLAYER** S/N Ratio (Volume Display 22 Position) Dolby OFF: 52dB Dolby B • NR: 60.5dB Dolby C • NR : 67dB (○●△) GENERAL Pre Output Voltage/Impedance......1V/10kohm Dimensions (WXHXD) ...... Chassis: 178X50X152mm Nose: 170×46×18mm \_\_\_\_\_\_\_\_\_\_\_1.4kg NOTE: Due to Continuing product improvement, specifications and designs are subject to change without notice. O: For TDA-7556R Model Only. ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only, ☐: For TDA-7550R Model Only Others: Common.

# **Packing Assembly Parts List**

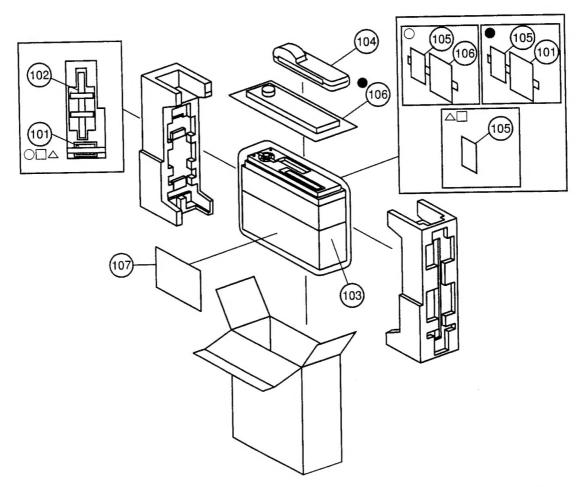
Sy	mbol	Part No.	Description		mbol No.	Part No.	Description
	101-2 101-3 101-4	03S72235F13	Nut, Hex. (M5) Screw, Countersink (M5X8) Stud, Bolt Cap, Rubber (A) Bolt, Hex. (M5) (A)	0 • 4 🗆	104 105 105 105	01T85297W02	Carrying, Case Assy., ISO Wire Assy., ISO Wire Assy., ISO Wire Assy., ISO Wire
0	101-7	01T75363W01 60S70585F01 60T55630W01 07B64552F01 15D50406W01	ISO / JASO Antenna Adapter Battery, Lit. 3V (CR2025) Battery, MGN R03(NB)UM-4 Bracket, Strap Receiver Case, Inner	0	106 106 107	01T75235W05 01T75436W01 68P80683W20	Assy., Card Remocon Unit, Remocon Owner's Manual

NOTE: O: For TDA-7556R Model Only,

●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

: For TDA-7550R Model Only, Others : Common.

# **Packing Method View**



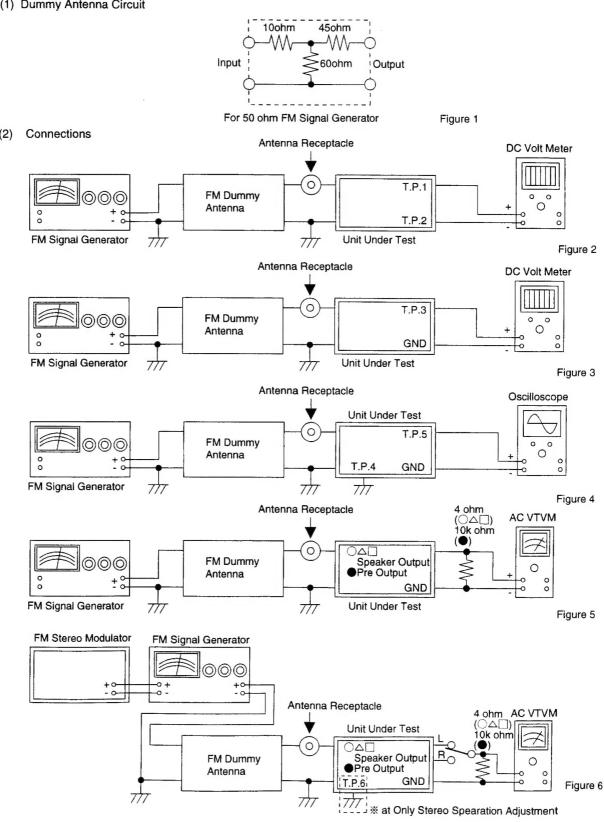
NOTE: ○: For TDA-7556R Model Only, ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

: For TDA-7550R Model Only, Others : Common.

# **Adjustment Procedures**

### 1. FM SECTION

(1) Dummy Antenna Circuit



(3)	Control Settings	
` ,	Power Switch	ON
	Fader Control	Center Position
	Balance Control	
	Treble/Bass Control	
	Band Switch	
	Others	

### (4) Adjustment Procedures

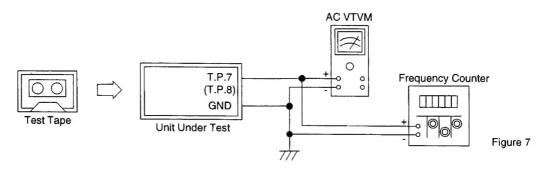
Step	Description		Connection	Signal Generator	Dial Control	Test Point	t	Adjustment		
1	IF Adjustment		Figure 2	98.1MHz, 72dB (Mod. OFF)	98.1MHz	T.P.1 T.P.2		AdjustL2101 to 0 ± 15mV.		
2	Signal Meter Adjustment		Figure 3	98.1MHz, 46dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.3		AdjustVR2101 to 3.5±0.1V.		
3	Seek Stop Adjustment		Figure 4	98.1MHz, 30dB (Mod. OFF)	98.110172			Adjust VR2104 for the waveform changing to maximum output.  Figure: Waveform of T.P.5 output.  MAX.  Stop the adjust VR2104 at this time.		
			Figure 5	98.1MHz, 72dB (Mod. 400Hz,	98.1MHz	O△□ Speaker Output		Adjust VOLUME to obtain 2V output. This value is 0dB.		
4	Noise Level	(1)	rigule 3	Dev. 40kHz)		●Pre Output		Adjust VOLUME to obtain 400mV output. This value is 0dB.		
	Adjustment	(2)	Figure 5	98.1MHz, -19dB (Mod. 400Hz,	98.1MHz	○△□ Speaker Output		AdjustVR2105 to -25±3dB output at SG level minimum.		
		(2)	, iguir o	Dev. 40kHz)		●Pre Output		at od lovo minimum		
5	Stereo Blend Adjustment		Figure 6	98.1MHz, 40dB (Mod. 1kHz, Dev. 36kHz, Stereo, Lch	98.1MHz	○△□ Speaker Output		Adjust VR2102 for Lch and Rch output level difference to be 8±2dB.		
	(Lch)			Only)		●Pre Outpu	t			
6	Stereo Separation		Figure 6	98.1MHz, 72dB (Mod. 1kHz, Dev. 36kHz, Stereo,	98.1MHz	Od□ Speaker Output	T.P.6	Adjust VR2103 for Rch output to be minimum, and confirm Lch and Rch output level difference is more		
	Adjustment (Lch)			Lch Only)		Pre Output		than 20dB.		
	Stereo Blen	ıd		98.1MHz, 40dB (Mod. 1kHz,		O△□ Speaker Ou	tput	Proceed same adjustment under		
7	Adjustment (Rch)		Figure 6	,	98.1MHz	●Pre Outpu		step 5.		
8	Stereo Separation		Figure 6	98.1MHz, 72dB (Mod. 1kHz, Dev	98.1MHz	○△□ Speaker Output	T.P.6	Proceed same adjustment under step 6 by alternating Lch and Rch.		
	Adjustment (Rch)	t		36kHz, Stereo, Rch Only)		Pre Output		Step o by atternating contains no		

NOTE: ○: For TDA-7556R Model Only, ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

☐: For TDA-7550R Model Only, Others : Common.

### 2. TAPE PLAYER SECTION

### (1) Connection



(2) Control Settings

Power Switch	ON
Fader Control	Center Position
Balance Control	Center Position
Treble/Bass Control	Center Position
Others	OFF

(3) The necessaries for adjustment

**GR-S Extension Cord** 

Assy., EX Cord Kit for GR-S Mechanism

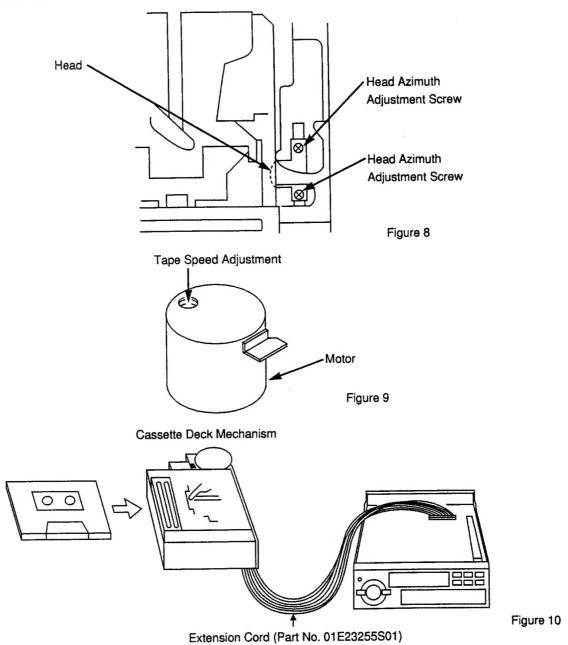
Part No. 01E23255S01

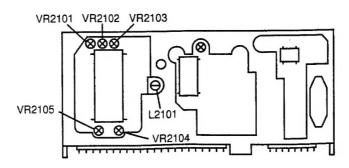
See Adjustment Locations (Figure 10).

### (4) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	MTT-114NB (14kHz)	Figure 7	T.P.7 (Lch) T.P.8 (Rch)	Head Azimuth Adjustment Screws (Figure 8)	Adjustfor Max. and same level output at Forward and Reverse positions.
2	Dolby Level Adjustment	MTT-150 (400Hz)	Figure 7	T.P.7 (Lch) T.P.8 (Rch)	VR201 (Lch) VR202 (Rch)	Adjustfor 388mV ±1dB atT.P.7 (Lch) and T.P.8 (Rch).
3	Tape Speed Adjustment	MTT-111N (3kHz)	Figure 7	T.P.7 (Lch) or T.P.8 (Rch)	Tape Speed Adjustment (Figure 9)	Adjust for 2,970 to 3,090Hz at T.P.7 (T.P.8).

# **Adjustment Locations**





FM/MW/LW Tuner Unit (FE001)

NOTE: For the Adjustment parts (VR201, VR202) and Test Points (T.P.1 ~6), refer to the Parts Layout on P.C. Boards and Wiring Diagram.

# **Description of IC Terminal**

85151W08: IC501

No.		Symbol	1/0	Terminal Description
110.	0	NFP EV DATA	0	E.VOL DATA output terminal for ADJ-NFP.
1	Δ□	NC NC	_	No connection terminal.
2		OSE PWR	0	Power Control signal output terminal to NOSE.
-	$\bigcirc \bullet \triangle$	BUZZER	0	Guide Tone signal output terminal.
3		NC		No connection terminal.
4	-	TS START	0	Data START signal output terminal to DTS μ-COM.
5		TS MUTE	_	Mute signal input terminal from DTS μ-COM.
6		DTS CE	0	CE signal output terminal to DTS μ-COM.
7	ALARM  O  NFP EV CE		0	ALARM signal output terminal.
			0	E.VOL CE output terminal for ADJ-NFP.
8	Δ□	NC	_	No connection terminal.
9		GND		GND terminal.
10	1	DOLBY B	0	Dolby B • NR ON/OFF signal output terminal. H: OFF / L: ON
	$\bigcirc \bullet \triangle$	DOLBY C	0	Dolby C • NR ON/OFF signal output terminal. H: OFF / L: ON
11		NC	_	No connection terminal.
12	L	.O. FAST	0	Gain Control signal output terminal for MS IC at CUE/REV. H: CUE/REV, L: PLAY
13	1	FOR/REV	0	Tape Direction indicator output terminal. H: FOR / L: REV
14		D.MOTOR	0	Motor Rotation Control output terminal. H: ROTATE / L: STOP
15		R-IN	0	Sub Motor Rotation Control output terminal.
16		F-IN	0	R-IN: H (CCW)/L (CW)/H (BRAKE)/L (OFF), F-IN: L (CCW)/H (CW)/L (BRAKE)/H (OFF)
17	N	ITR FAST	1	Main Motor Rotation Control input terminal. H: High Speed / L: Stabilization
18		M.S. DET	1	Music Sensor Detection signal input terminal.
19		METAL	T	Metal Tape Detection terminal. H: METAL / L: NORMAL
20		PACK IN	I	Pack In Detection terminal. H: PACK IN / L: PACK OUT
21		REV.DET	I	REV REEL Rotation Detection input terminal.
22	1	MODE SW	1	Mode Detection input terminal.
23		FOR DET	1	FOR REEL Rotation Detection input terminal.
24		GND	<b> </b> -	GND terminal.
25	F	PAUSE SW	i	Pause Mode Detection input terminal.
26		MUTE	0	Audio Mute signal output terminal.
27		NFP-1	0	NFP Control signal output terminal. H: FAD-F / L: OTHERS
28		NFP-2	0	NFP Control signal output terminal. H: FAD-R / L: OTHERS
29		EV-DATA	1/0	Serial Data output to E.VOL/ACK input from E.VOL terminal.
30		EV-CLK	0	Serial Clock output terminal to E.VOL.
31		PWR IC	0	Stand-by Control output terminal for Power IC.
32		PWR ON	0	Power Control signal output terminal.
33		NC	_	No connection terminal.
34		BUS OUT	0	Signal output terminal to BUS I/F.
35		RESET		System Reset input terminal.
36	F	REMOCON		Remocon Data input terminal.
37		BUS IN	1	Signal input terminal from BUS I/F.
38		ACC DET	1	ACC Detection signal input terminal.
39		BAT DET		BATT Detection signal input terminal.
40		VDD		Power Supply terminal.

NOTE: ○: For TDA-7556R Model Only, ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

<sup>☐:</sup> For TDA-7550R Model Only, Others : Common.

No.		Symbol	I/O	Terminal Description					
41		X2	0	0 - 1 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -					
42		X1		System Clock OSC connection terminal. (8.38MHz)					
43		GND		GND terminal.					
44		NC		No connection terminal.					
45 46		GND	_	GND terminal.					
47	Ai-NET IN/OUT		I	Audio signal switching input terminal. H: Outer AMP / L: Inner AMP					
	O IN INT		1	Mutual Reset IN-INT signal input terminal.					
48	Δ□	PULL-DOWN	_	Pull-Down terminal.					
49	MODEL		1	A/D input terminal for Model Set Up.					
50	ENCODER 1		1	Encoder Data input terminal.					
51	E	NCODER 2	I	Elicoder Data Input terrinia.					
52 53		GND	_	GND terminal.					
54	N	OSE-DET	T	Nose Detection input terminal.					
55 56		V <sub>DD</sub>	_	Power Supply terminal.					
57		LCD DO	ı	Serial Data input terminal from LCD Driver.					
58		LCD DI	0	Serial Data output terminal to LCD Driver.					
59		LCD CLK	0	Serial Clock output terminal to LCD Driver.					
60		LCD CE	0	Serial Data CE signal output terminal to LCD Driver.					
61		LCD RST	0	Reset signal output terminal to LCD Driver.					
62	DTS STS		I	Serial Data input terminal from DTS μ-COM.					
63	1	DTS CMD	0	Serial Data output terminal to DTS μ-COM.					
64		DTS CLK	0	Serial Clock output terminal to DTS µ-COM.					

NOTE: ○: For TDA-7556R Model Only, ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

☐: For TDA-7550R Model Only, Others : Common.

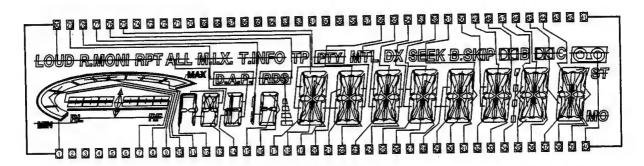
### 85088W01: IC502

No.	Symbol	1/0	Terminal Description
1	LW	0	LW band selection output terminal.
2	LO/DX	0	Local/DX control output terminal. H: During SEEK LOCAL
3	NC	_	No Connection terminal.
4	AVSS	_	GND terminal for A/D converter.
5	LPF SW	0	LPF time constant switching terminal at AF CHECK.
6	IF MUTE	0	IF Mute output terminal.
7	AVREF1	-	Reference voltage terminal for A/D Converter.
8	RXD	1	RDS Monitor input terminal (Pull-Up terminal).
9	TXD	0	RDS Monitor output terminal (No Connection terminal).
10	SYNC	0	SYNC signal output terminal (No Connection terminal).
11	PLL CLK	0	Clock output terminal to PLL.
12	PLL DATA	0	Data output terminal to PLL.
13	PLL CE	0	Data communication control signal output terminal to PLL.
14	DTS MUTE	0	Audio mute output terminal.
15	DTS START	1	DTS data start input terminal.
16	DTS CMD	1	Command input terminal from Main μ-COM.
17	DTS STS	0	Status output terminal to Main μ-COM.
18	DTS CLK	-	Communication clock signal input terminal from Main μ-COM.

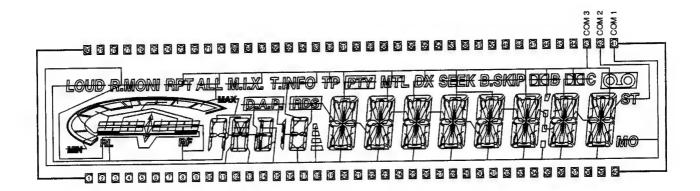
No.	Symbol	1/0	Terminal Description
19			
5	NC	_	No Connection terminal.
32			
33	GND	_	GND terminal.
34			
5	NC	_	No Connection terminal.
57			
58	FM/AM	0	FM/AM mode switching signal output terminal. H: FM
59	AUDIO IN	ı	Audio xerox Detection terminal.
60	RESET	ı	System reset input terminal.
61	RDS CLK	1	RDS clock input terminal from RDS Decoder.
62	RDS DATA	T	RDS data input terminal from RDS Decoder.
63	DTS CE	1	DTS CE input terminal.
64			
5	NC	-	No Connection terminal.
66			
67	50K REF	0	L.P.F. switching output terminal at RDS mode.
68	VDD	-	Power supply terminal.
69	X2	_	System clock OSC connection terminal. (4.9152 MHz)
70	X1	-	System clock OSC connection terminal. (4.9132 Nin 2)
71	GND		GND terminal.
72	NC	-	No Connection terminal.
73	PLL DATA I		PLL Data input terminal.
74	AVDD	_	Analog power supply terminal for A/D converter.
75	AVREF0	_	Reference voltage terminal for A/D converter.
76	S.METER	ı	Signal meter voltage input terminal.
77	A/I	1	Port detects adjoining rejection interference of station.
78	M.P	I	Port detects multi path interference of station.
79	ST	1	ST signal input terminal.
80	SD	I	Station detector signal input terminal.

# **LCD Display**

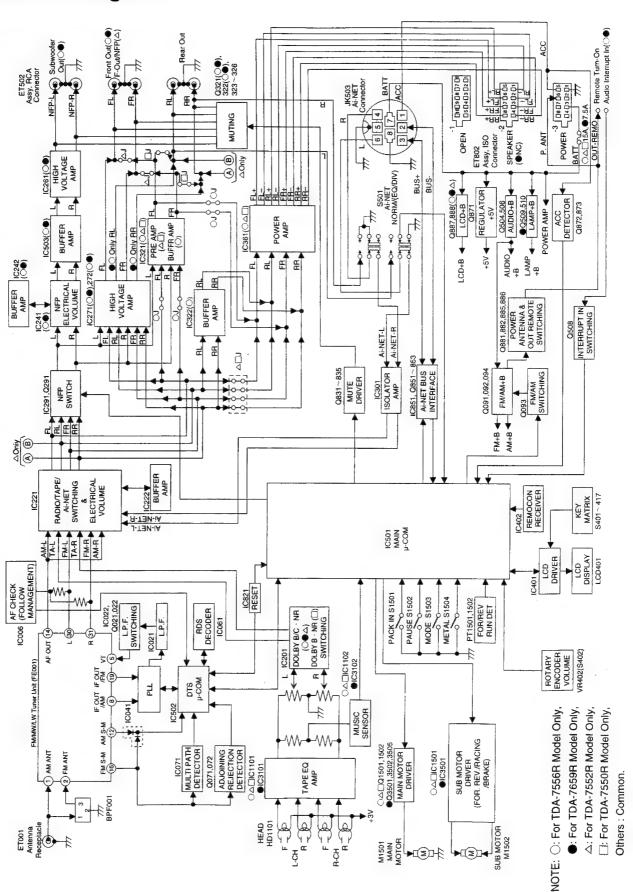
**SEGMENT** 



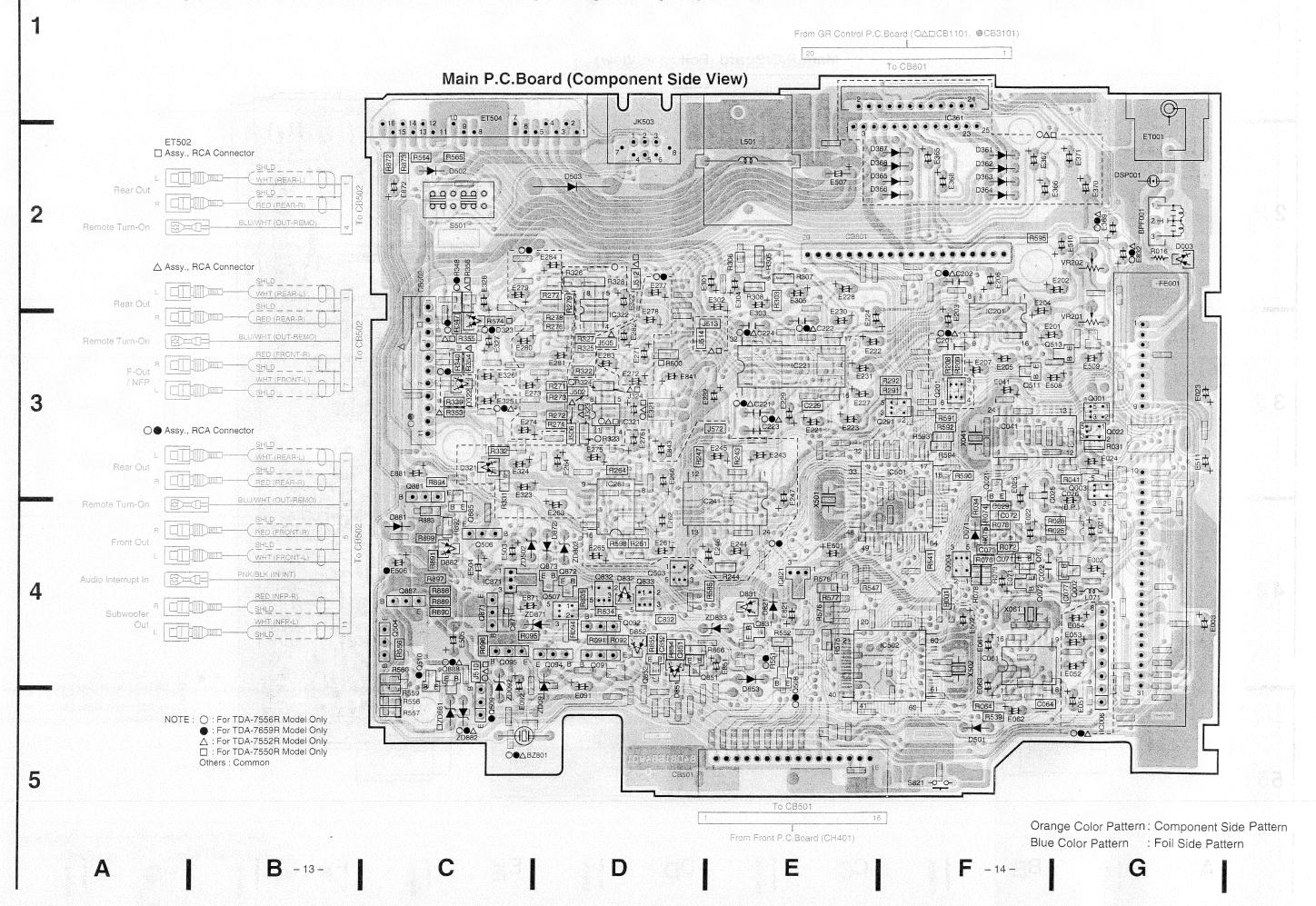
COMMON



## **Block Diagram**



# Parts Layout on P.C. Boards and Wiring Diagram (1/4)



# Parts Layout on P.C. Boards and Wiring Diagram (2/4)

Main P.C.Board (Foil Side View) NOTE: O: For TDA-7556R Model Only

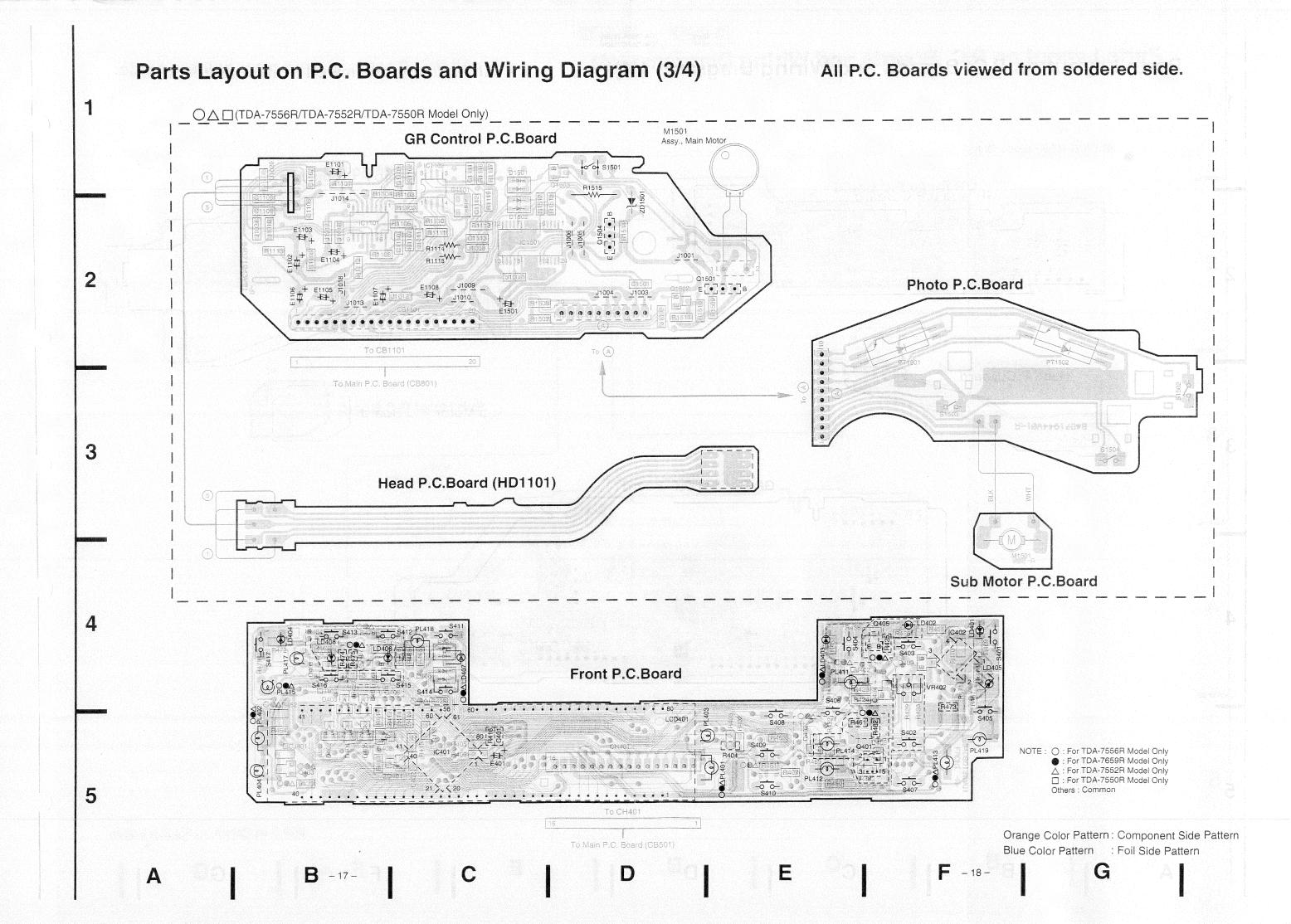
: For TDA-7659R Model Only

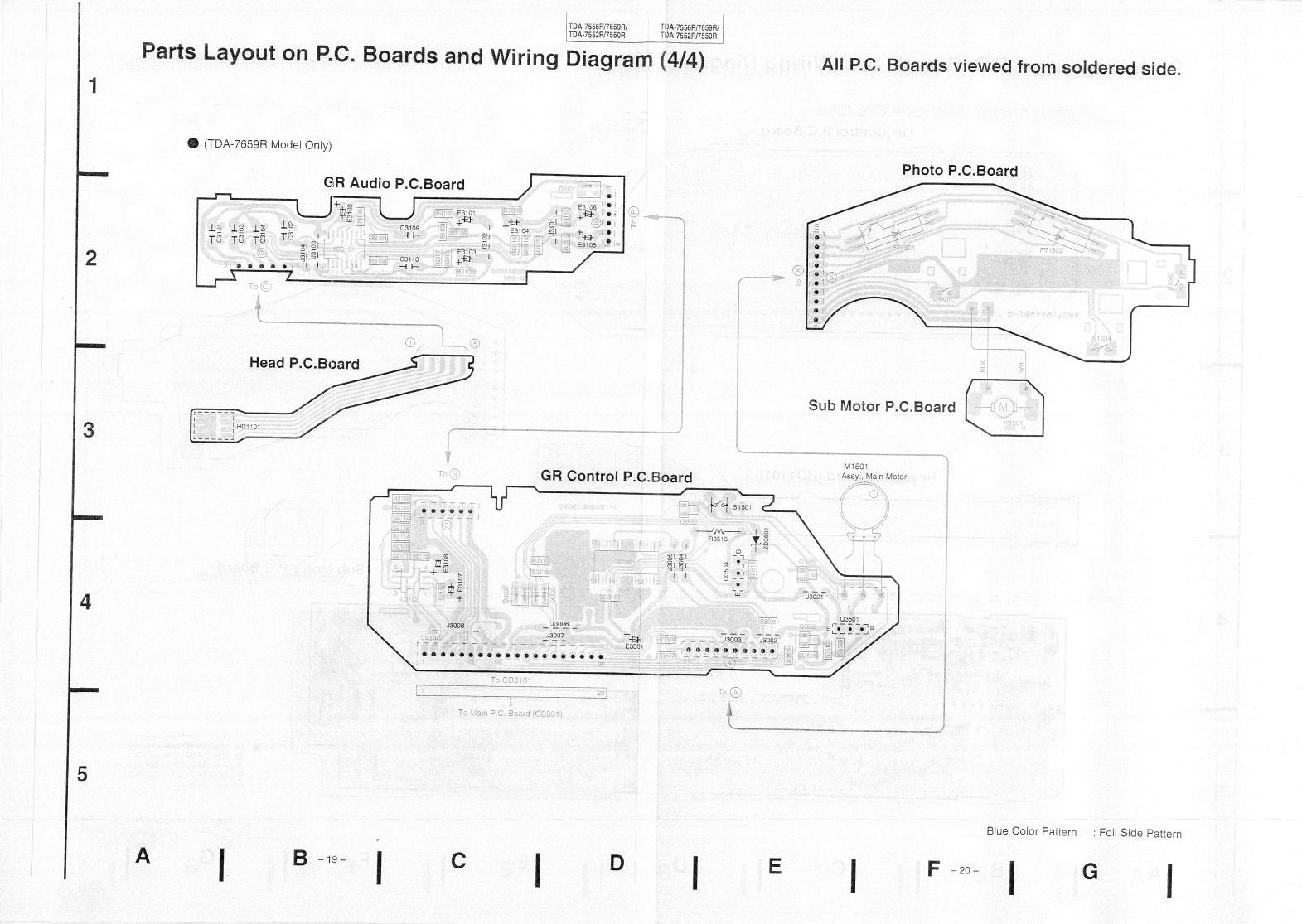
: For TDA-7552R Model Only
: For TDA-7550R Model Only

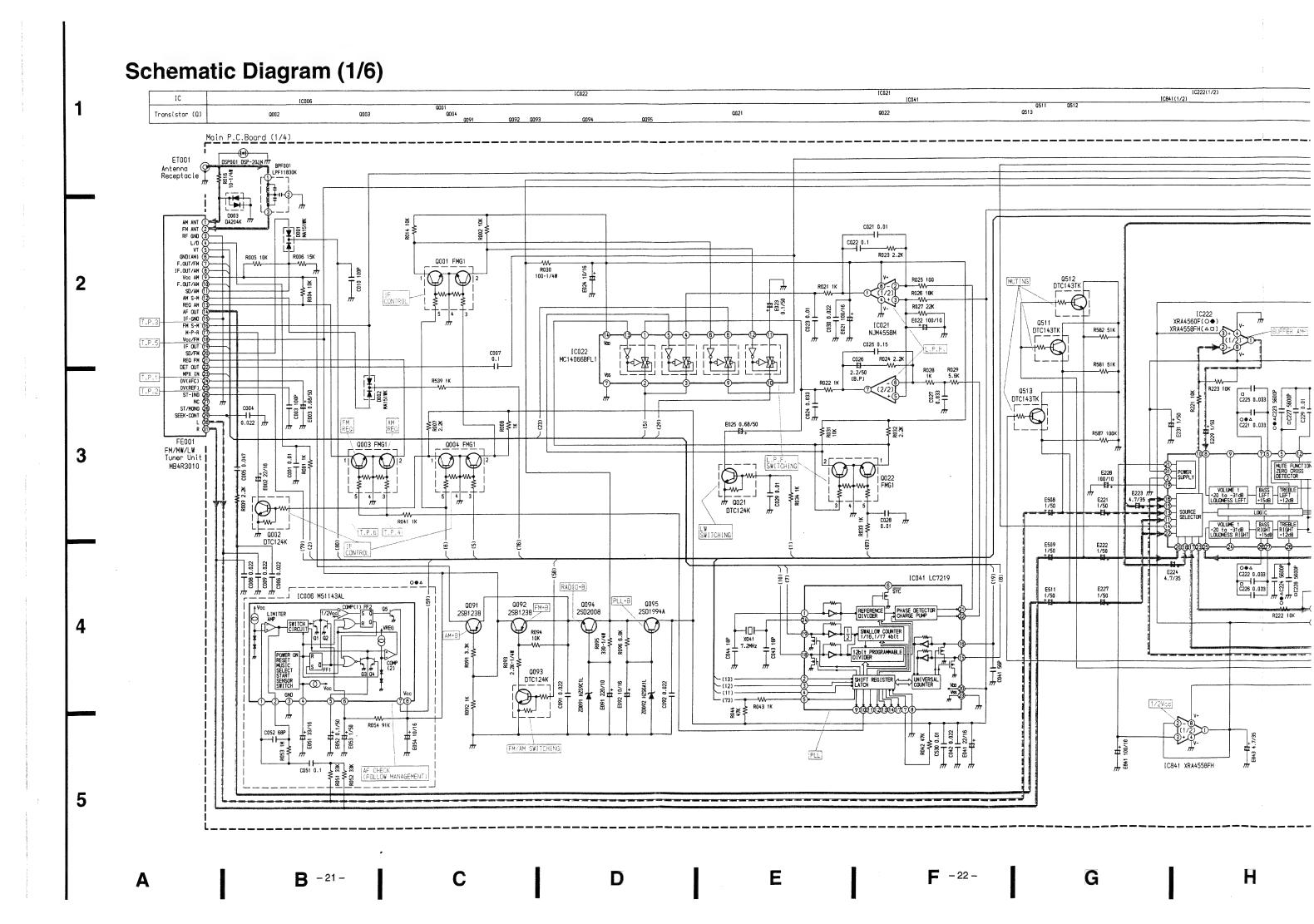
Orange Color Pattern: Component Side Pattern
Blue Color Pattern: Foil Side Pattern

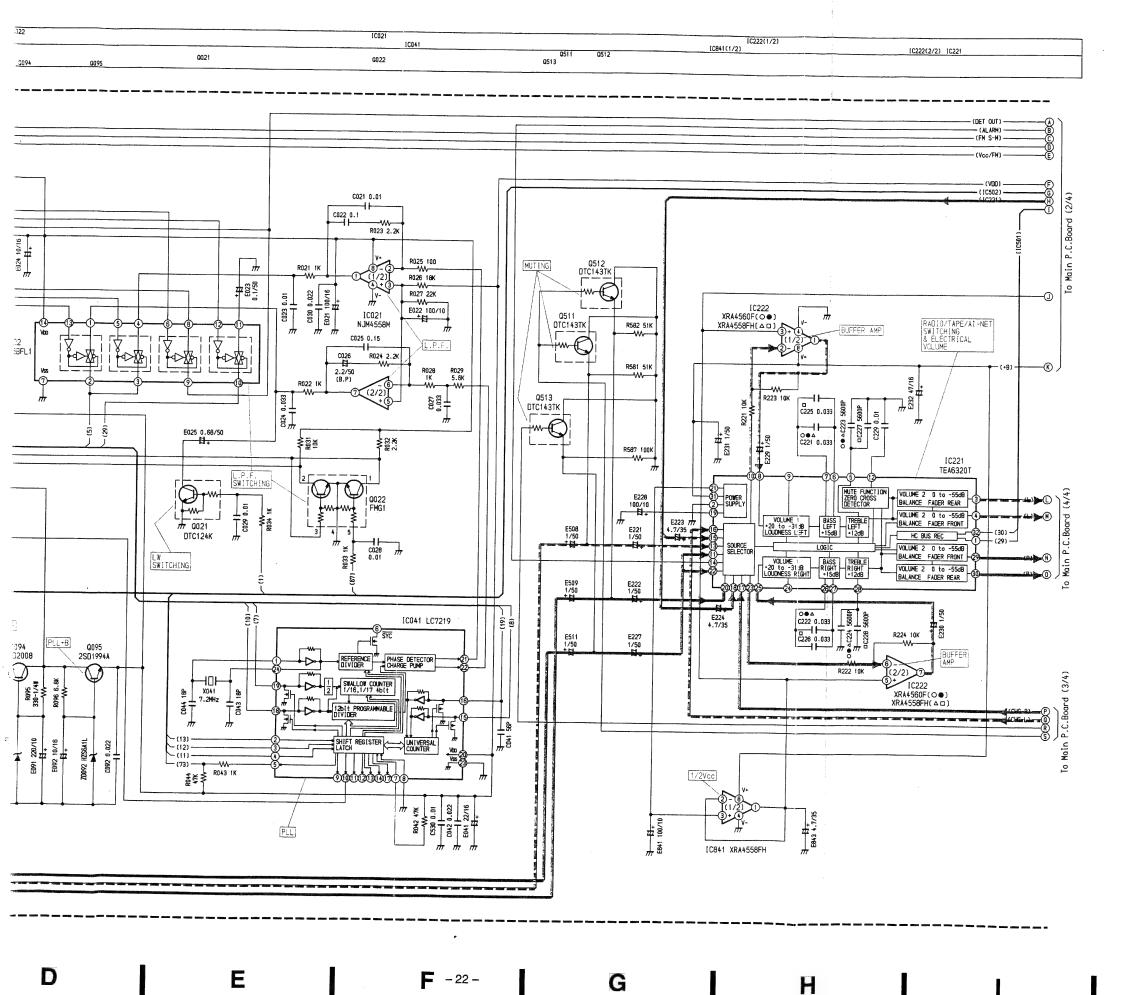
- 16 <del>-</del>

G









0	• 4	7IC0	06		_	IC0	21					IC	00	22	2				IC2	22			
1	1.4	V		FM		1	4.2	٧		FM		1	1	2.2V	/4.2V	RI	DSON/	OFF	1~3	4.2V	/	FM	
2	1.4	V		FM		2	4.2	٧		FM		2	2	4.	2V				4	OV			
3	0\	/				3	4.2	٧	FM			[3	3	4.	2V				5~7	4.2\	/	FM	
4	1.3	V		FM		4	0/	,				4	1	2.2V	/5.1V	RI	OSON/	OFF	8	8.5V	/		
5	0/	/		FM		5	2.7	٧	FM			5	5	9.2\	//OV	RI	OSON/	OFF	IC8	41			
6	0V/8.	9V 1	MOD.	ONOFF		6	2.7	V		FM		6	3	9.	2V		FM		1~3		, 1		
7	0V/5	5V I	WOD.	ONOFF		7 2	2.2V/4	.2V	RDS	NAC	OFF	7		(	)V	Γ			4	0V	$\dashv$		
8	9\	<u> </u>			IJ	8	9.2	V	L			8		2.	4V		FM		5~7		,	TAPE	
C	041											9	1	2.	4V		FM		8	8.5V	-		
_	1	OSC	Т		Г	16	0	·	FM	<u> </u>	1	10	D	0V/2	2.3V	SE	EK ON	OFF		0.01			
2-	-5	4.9V SEEK ON		-	17	N	<u>с</u>				1	1	C	V		FM							
	6	NC			18	2.5	SV.	AM			12	2	9.	2V		FM							
	7	4.8V FM		-	19	2.6	SV.	FM			13	3	0V/8	3.6V		FM/AN	A						
	3	OV	+		-	20	4.9	V			1	14	4	9.	2V	<u></u>							
9	•	NC			21	, 22	2.7	∿	FM					Q	004								
1	0	4.8V		FM	-	23	01	,						1	ov	/4V	IF M	UTE	ON/OF	F			
11-	-14	NC			-	24	OS	iC						2	3V	/OV	OV SEEK O		VOFF	1			
1	5	2.8V		AM				-						3	OV	/5V	SE	EK ON	VOFF	1			
C	221										,			4	-	/OV							
	1	4.9V				17			Audio CD Chang			er	7	5 4.5		V/OV	/0V   IF MUTE		N/OF	F			
2	2	OV				T	18	Αυ	dio	io TAPE			1			Π	E (		;	В	Τ	MOD	E
3,	4	Audio				15	9, 20	Au	dio	dio FM			1.	Q002		0	V/OV	0٧/	OV	0V/4V	1	F MUTE C	NOFF
5-	-8	4.2V		FM			21	4.2	2V		FM		1	C	021	O	V/OV	0٧/	V0	4.7V/0V	T	LW ON/	OFF
٤	9	NC					22	Au	dio		AM			С	091	9.1	V/9.1V	0٧/	9V	9V/8.5V	1	FM/A	М
1	0	4.2V	L	FM			23	4.2	2V		FM		1	C	092	90	/9.1V	9V/0	).7V	8.4V/9.1V	T	FM/A	М
1	1	Audio		AM			24	N	С					C	093	o	VOV	00/	9V	4.8V/0V		FM/A	М
1.	2	_				25	~28	4.2	2V		FM			C	094	9	.1V	13.	6V	9.6V		TUNE	R
1	3	Audio		FM		29	9, 30	Au	dio					Q	095	4	.9V	13.	6V	5.5V		TUNE	R
1.	4	Audio	$\perp$	TP-ALM	1		31	8.5	ίV				] [	Q	511	0	V/OV	0V/	OV	5V/0V	11	F MUTE C	NOFF
	5 .	Audio	$\perp$	TAPE		١.	32	4.9	V					a	512	0	V/0V	0V/	OV	5V/0V	11	FMUTE C	N/OFF
11	6	Audio		CD Chang	ger	$\perp$								٥	513	0	V/0V	0V/	0V	5V/0V	li	MUTE O	N/OFF
		1		2	Т	3			4		5		_	MC	DE								
	001	0V/		00/90	+	3V/		-	/OV	.31	 V/0V	-	SE		ON/OF	-							
					4					٠,		Ľ	JC.	-11	J. W. O.F	•							

<Measuring Conditions>

 Power Supply Voltage : DC14V

Measuring Meter : Digital Multi Meter 3. Measuring Point Reference : Between Ground

Q003 BV/0V 1V/0V 0V/4.5V 0V/0V 0V/4.5V REQ ON/OFF

Q022 0V/9V 9V/0V 0V/9V 0V/0V 4.9V/0V RDS ON/OFF

4. Measuring Conditions : No Signal Input

FM: 98.1MHz

AM: 999kHz (MW)

TAPE: Blank Tape Play

NOTE: O: For TDA-7556R Model Only,

•: For TDA-7659R Model Only,

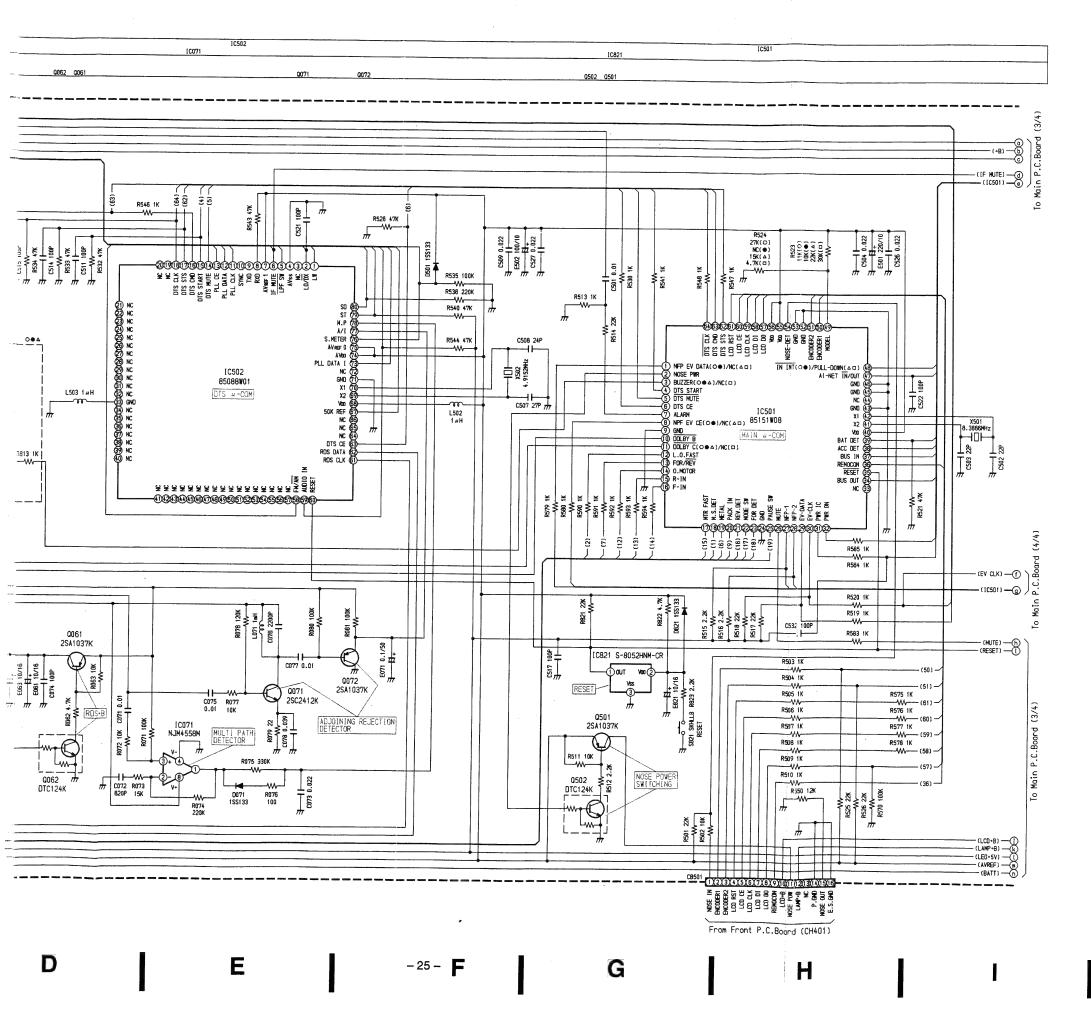
△: For TDA-7552R Model Only,

□: For TDA-7550R Model Only, Others : Common.

### NOTE:

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads.  $P = \frac{1}{1,000,000}$

**J** -23 -



IC061			IC07	1			IC502	2				
1	NC		1~3	4.8V	FM	]	1	5V	LW	60	0V/5V	RESETON/OFF
2	5V	FM	4	ov		1	2	5V/0V	LO/DX	61~63	DATA	
3, 4	2.4V	FM	5~7	NC		1	3	0V	FM	64-66	NC	
5	4.8V		8	9V		1	4	0V		67	5V/0V	RDSON/OFF
6	0V		IC82	1			5	5V	FM	68	5V	
7,8	2.4V	FM		/1.7V	RESETON	OEE	6	0V	FM	69, 70	osc	
9-11	٥v		l	V/OV	RESETON	_	7~9	5V	FM	71	ov	
12	4.9V			ov	HESET OW		10	0V	FM	72	NC	
13, 14	osc		ا اعا	UV			11~18	DATA		73	DATA	
15	NC		IC84	1			19~32	NC		74, 75	5V	
16	4.8V	FM	1~3	4.3V			33	0V		76	ov	FM
			4	٥٧			34-57	NC		77, 78	5V	FM
			5~7	4.3V	TAPE		58	5V/0V	FM/AM	79	0V/5V	ST/MONO
			8	8.5V		]	59	5V		80	OV	FM

C201			IC501					
1	NC		001	5V		27~30	5V	Ī .
2	8.5V		Δ□1	NC		31	5V/0V	PWR IC ON/OF
3	4.2V		2	5V/0V	DF ON/OUT	32	5V/0V	Power ON/OFF
4	4.2V	AVREF	O⊕△3	OV	BUZZER	33	NC	
⊜⊕∆5	0V/3.5V/7.6V	NORMAL/DOLBY B/C	□3	NC		34	DATA	
[]5	0V/3.5V	NORMAL/DOLBY B	4	PS		35	0V/5V	RESET ON/OF
6	4.2V		5, 6	5V		36	DATA	
7	0V		7	ov	ALARM	37	DATA	
O⊕∆8	0V		○●8	ov		38	5V/0V	ACC ON/OFF
<u></u> 6	NC		△□8	NC		39	5V/0V	BATT ON/OFF
O⊕∆9	٥٧		9	ov		40	5V	
<b>□9</b>	NC		10	0V/5V	DOLBY B ON/OFF	41, 42	osc	
10	٥٧		Ο⊕Δ11	0V/5V	DOLBY C ON/OFF	43	OV	
11	4.2V		C11	NC		44	NC	
12	· 8.5V		12	5V/0V	FF-REW/OTHER	45, 46	0V	
13	1.2V		13	5V/0V	FOR/REV	47	0V/5V	CD Changer/EC
14	4.2V		14	5V/0V	TAPE · PLAY/OTHER	○●48	0V/5V	IN-INT ON/OFF
15	0V		15, 16	OV		△∷48	0V	
16	NC		17	5V/0V	FF-REW/OTHER	49	_	
			18	ov		50, 51	5V	
			19	5V/0V	METAL/NORMAL	52, 53	0V	
			20	5V/0V	PACK-IN/OUT	54	2.5V/5V	NOSE ON/OFF
			21~23	DATA		55, 56	5V	
			24	OV		57~59	DATA	
			25	5V/0V	TAPE · PLAY/PAUSE	60, 61	5V	
			26	OV		62~64	DATA	

○●△ <b>Q20</b> 1	0V/3.7V/0	V 4.9V/	4.9V/0V	0V/4.3V/8.2V	5V/0V	5V 0V/0V/0V	00/00/00	NORMAL/DOLBY B/C
	E	С	В	MOD	E	<measuring c<="" th=""><th></th><th></th></measuring>		
Q061	4.9V	4.8V	4.2V	FM		<ol> <li>Power Supp</li> </ol>		: DC14V
Q062	٥v	0V	9V	FM		<ol><li>Measuring N</li></ol>	<i>l</i> leter	: Digital Multi Meter
Q071	OV	8.6V	0.9V			<ol><li>Measuring F</li></ol>	Point Refer	ence: Between Ground
Q072	4.8V	OV	4.8V			4. Measuring C	Conditions	: No Signal Input
Q501	5V/5V	5V/0V	4V/0V	NOSE P. C	NOFF			FM: 98.1MHz
Q502	0V/0V	0V/4V	5V/0V	NOSE P. C	NOFF			AM: 999kHz (MW)
_⊜∆Q811	13.8V	ov	OV	1				TAPE: Blank Tape

4 5

NOTE: O: For TDA-7556R Model Only, •: For TDA-7659R Model Only, △: For TDA-7552R Model Only, : For TDA-7550R Model Only, Others : Common.

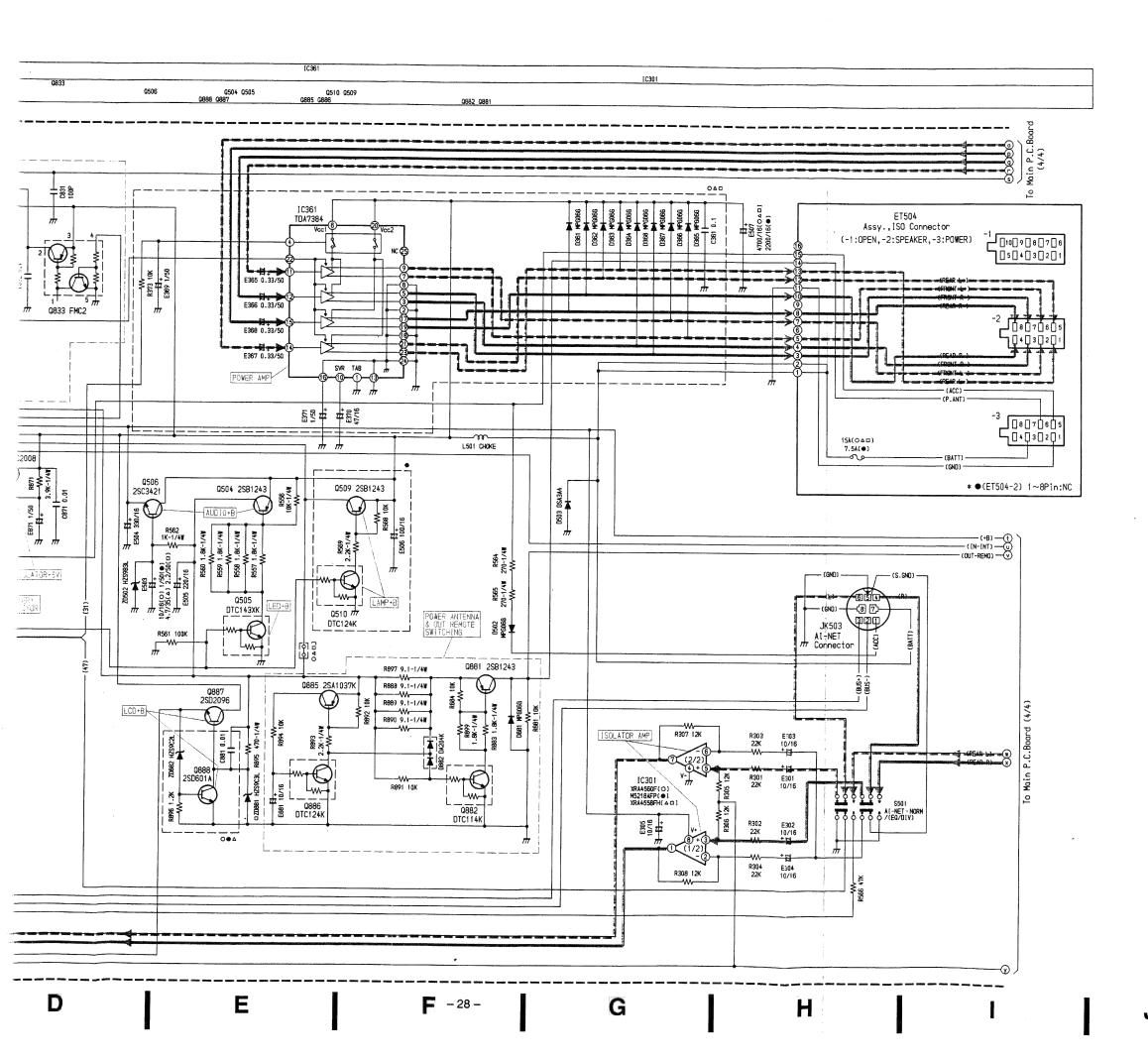
6

### NOTE:

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads.  $P = \frac{1}{1,000,000}$

3

Schematic Diagram (3/6) Q504 Q505 Transistor (Q) Main P.C.Board (3/4) (-1:OPEN,-2 0835 m DTC124K E371 1/50 1/50 1/70 17/16 Q871 2SD2008 Q504 2SB1243 E871 1/50 REGULATOR+5V 0503 FMC2 0873 m DTC114TK Q505 DTC143XK BATTERY POWER A. SWITCHING JK503 At-NET (34) Q881 2SB1243 R888 9.1-1/4W 0885 2SA1037K (RESET) R890 9.1-1/4W LCD+B R307 12K ISOLATOR AMP R301 22K Tv-IC851 NJM2903M 0851 0AP202K Q853 DTA124 Q882 DTC114K MR64 1.5K AT NET BUSL-INSERFACE IC851 NJM2903M R857 10K 5 H G - 28 -E C D **B** -27-



IC:	301				$0\Delta$	⊐IC36	1			
1-	-3	4.3	v	CD Changer	1, 2	OV		14, 15	Audio	
	4	0\	′		3	Audio		16	5V	FM
5-	-7	4.3	٧	CD Changer	4	5V/0V	PWR IC ON/OFF	17	Audio	
	8	8.6	٧		5	Audio		18	OV	
IC:	851				6	13.8V		19	Audio	
1		TA	CI	Changer	7 .	Audio		20	13.8V	
2	2.9		_	Changer Changer	8	0V		21	Audio	
3	0	-		Changer	9	Audio		22	0V/5V	MUTE ON/OFF
4	0			Onlinger	10	5V	FM	23	Audio	
5	-	TA	CI	Changer	11, 12	Audio		24, 25	NC	
6	0	-		Changer	13	٥٧				
7	5	v		) Changer						
8	5	v								

IC8	371		1	2	3	4	5	MODE
1	5V	Q603	NC	5V/0V	5V/5V	5V/0V	00/00	POWER ON/OFF
2	5V	Q507	NC	5V/0V	5V/5V	5V/0V	00/00	ACC ON/OFF
3	0V	Q832	0V/13.8V	13.8V/0V	13.8V/13.8V	5V/0V	00/00	MUTE ON/OFF
		Q833	NC	13.8V/0V	13.8V/13.8V	5V/0V	07/07	IF MUTE ON/OFF

	E	С	В	MODE
Q504	13.8V/13.8V	12V/0V	0V/13V	POWER ON/OFF
Q505	00/00	0V/13.8V	5V/0V	POWER ON/OFF
Q506	8.6V/OV	13.8V/13.8V	0V/9.2V	POWER ON/OFF
<b>○●Q508</b>	5V/5V	0V/4.9V	0V/4.9V	IN-INT ON/OFF
<b>●</b> Q509	13.7V/13.7V	13.7V/0V	0V/13V	POWER ON/OFF
<b>⊕</b> Q510	5V/5V	0V/13V	5V/0V	POWER ON/OFF
Q831	0V/9.1V	00/00	6.5V/0V	ACC ON/OFF
Q834	07/07	4.2V/0V	13.8V/13.8V	POWER ON/OFF
O△□ <b>Q835</b>	5.4V	ov	OV	
Q851	5V	2V	5V	CD Changer
Q852	OV	2.99V	ov	CD Changer
Q853	5V/5V	2V/0V	5V/0V	RESET ON/OFF
Q871	5V	13.8V	5.6V	
Q872	5V/5V	5V/0V	0V/5V	ACC ON/OFF
Q873	0V/0V	0V/5V	5.6V/0V	ACC ON/OFF
Q881	13.7V	13.6V	13V	POWER ON
Q882	0V	7V	٥٧	POWER ON
Q885	13.7V	0V	13.7V	- POWER ON
Q886	OV	13.6V	OV	POWER ON
Q887	13.8V/0V	13.8V/13.8V	0V/5V	POWER ON/OFF
○●△Q888	9.5V	13.8V	0.6V	

### <Measuring Conditions>

 Power Supply Voltage : DC14V

2. Measuring Meter : Digital Multi Meter

3. Measuring Point Reference: Between Ground

4. Measuring Conditions : No Signal Input

FM: 98.1MHz

AM: 999kHz (MW) TAPE: Blank Tape Play

NOTE: O: For TDA-7556R Model Only,

: For TDA-7659R Model Only,

△: For TDA-7552R Model Only,

: For TDA-7550R Model Only,

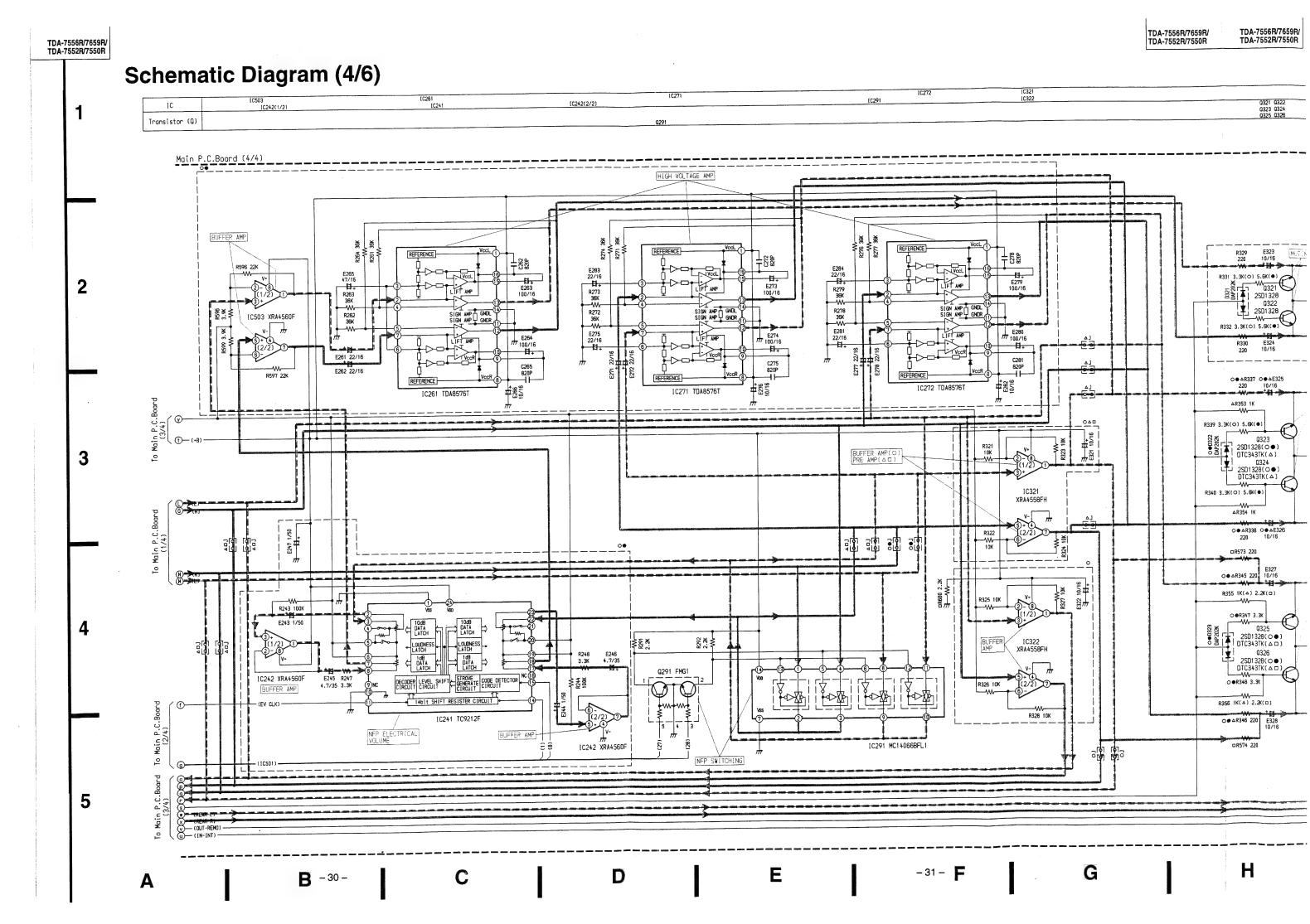
Others : Common.

### NOTE:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads.  $P = \frac{1}{1,000,000}$ 

**J** – 29 –



(C242(2/2) IC322 Q323 Q324 Q325 Q326 ○●IC241 ○●IC261, 271, 272 1 8.5V 10 2.7V HIGH VOLTAGE AMP 2,3 4.3V 14 5V 2,3 3.6V 11 0V 4 NC 15 0V 4, 5 3.5V 12, 13 7.3V 5~8 4.3V 16 NC 6, 7 3.6V 14 0V 9 NC 17~20 4.3V 8 8.5V 15 2.6V 10 0V 21 NC 9 7.8V 16 7.8V 11 5V 22, 23 4.3V 12 NC 24 8.6V \$ \$ £ \$ REFERENCE REFERENCE ET502 ○●IC242 IC291 E323 10/16 MUT [NG R333 Assy., RCA Connector E283 22/16 H+ R273 36K W-R272 36K W-E275 22/16 E284 22/16 El+ R279 36K - Vocal 1~3 4.3V 1~4 Audio 5, 6 0V/8.5V NFP SW ON/OFF LIFT AMP 4 0V R331 3.3K(O) 5.6K(•) 5~7 4.3V FM 7 0V 8~11 Audio 8 8.6V 12, 13 OV/8.5V NFP SW ON/OFF 0322 2SD1328 WM R332 3.3K(○) 5.6K(●) O△□IC321 14 8.5V OIC322 // E274 /// 100/16 1~3 4.3V ○ •IC503 ---4 0V -13+ R330 220 R334 100 1~3 4.3V 5-7 4.3V FM C275 820P Subwoofer Out (○●) C281 820P OV 8 8.6V 5~7 4.3V 8 8.6V O●AR337 O●AE325 220 10/16 O ● △R341 IC271 TDA8576T △R353 1K MUT ING Q291 DATA DATA DATA OV DATA NFP R339 3.3K(O) 5.6K( •) С В MODE Front Out(○●) **○●Q32**1 0V/0V 00/00 0V/13.8V MUTE ON/OFF 2SD1328(○●) DTC343TK(△) F-Out/NFP( $\Delta$ ) BUFFER AMP(O PRE AMP(ACI) O **C**322 0V/0V 0V/0V 0V/13.8V MUTE ON/OFF 00/00 Q324 2SD1328(○●) DTC343TK(△) O ● △ **Q32**4 0V/0V 0V/0V 0V/13.8V MUTE ON/OFF Q325 0V/0V 0V/0V 0V/13.8V MUTE ON/OFF Q326 0V/0V 0V/0V 0V/13.8V MUTE ON/OFF R340 3.3K(O) 5.6K(O) XRA4558FH <Measuring Conditions> △R354 1K 1. Power Supply Voltage : DC14V O●AR338 O●AE326 220 10/16 O●△R342 100 2. Measuring Meter : Digital Multi Meter 3. Measuring Point Reference: Between Ground DR573 220 4. Measuring Conditions : No Signal Input –‹ɑu⊤-ʀEMO}——⊝ Remote Turn-On FM: 98.1MHz R349 100 AM: 999kHz (MW) O △R345 220 TAPE: Blank Tape Play MUTING NOTE: : For TDA-7556R Model Only, : For TDA-7659R Model Only, ○●R347 3.3K △: For TDA-7552R Model Only, W 0325 ☐: For TDA-7550R Model Only, |\$§% |¥ 2.3× ¥.3× 2SD1328(○●) OTC343TK(△□) BUFFER AMP IC322 XRA4558FH Others: Common. R248 E246 3.3K 4.7/35 0326 2SD1328(○◆) DTC343TK(△□) R352 (0 4 0 ) O ●R348 3.3K ₽₽₽ R356 (K(△) 2.2K(□) R328 10K O●△R346 220 E328 IC242 XRA4560F IC291 MC14066BFL1 DR574 220 NFP SWITCHING NOTE: 1. All resistance values are in ohms. K = 1,0002. All capacitance values are in microfarads. P = 1,000,000

H

- 32 -

G

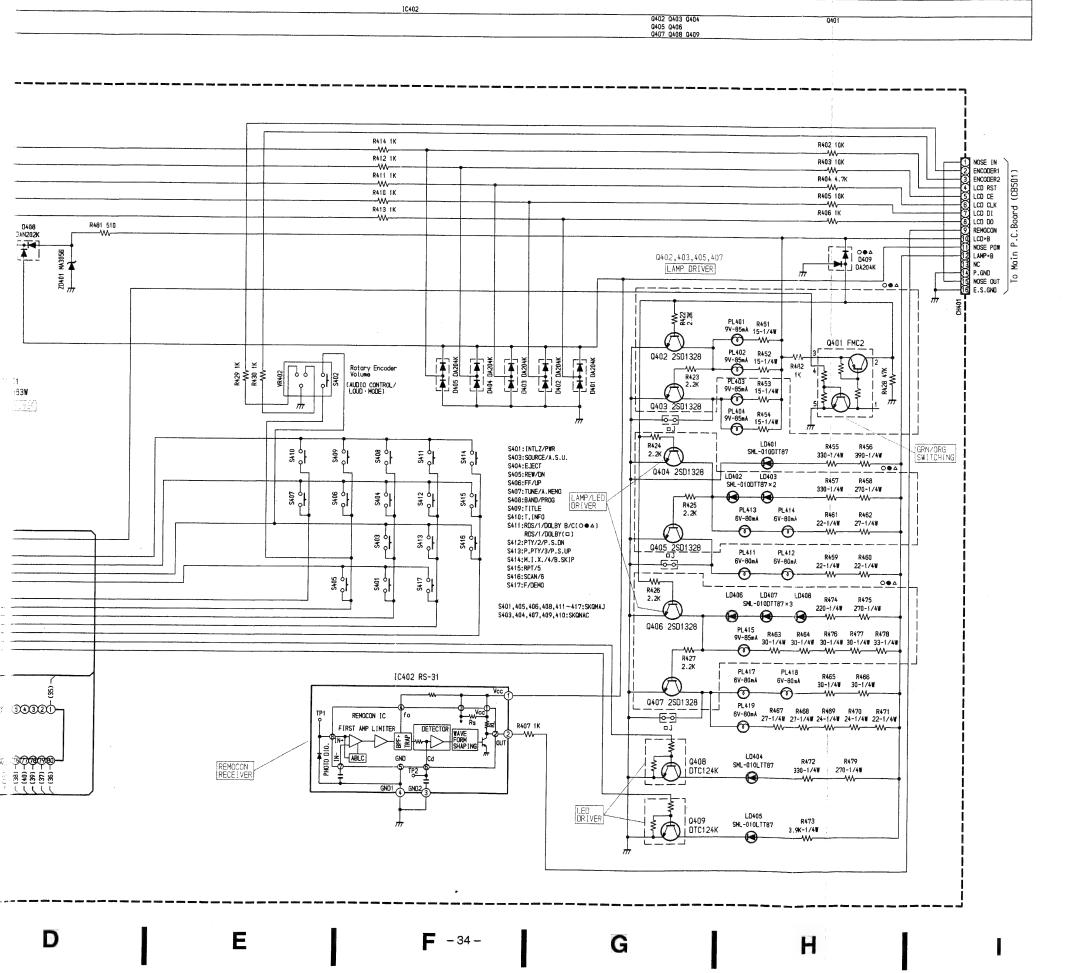
D

### Schematic Diagram (5/6) Q402 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Transistor (Q) Front P.C.Board R412 1K R403 10K R410 1K R405 10K R413 1K D409 DA204K Q402,403,405,407 [LAMP\_DRIVER] E401 6.8/6.3 554352556667664666 PL401 R451 9V-85mA 15-1/4W PL402 R452 9V-85mA 15-1/4W Q402 2SD1328 D405 DA204K Q403 2S01328 PL403 R453 9V-85mA 15-1/4W (AUDIO CONTROL/ LOUD · MODE) LC75883W PL404 R454 9V-85mA 15-1/4W LCD DRIVER R424 2.2K Q404 2SD1328 SAN3: SOURCE/A.S. U. LD402 LD403 SML-010DTT87×2 R457 R458 330-1/4W 270-1/4W S406:FF/UP S407: TUNE/A. MEHO S408: BAND/PROG S409: TITLE D2345670900Q34**560**09 훃앍 \$410:T. INFO S410:T.1NF0 S411:RDS/1/D0LBY B/C(○●△) RDS/1/D0LBY(□) S412:PTY/2/P.S.DN S413:P.PTY/3/P.S.UP S414:M.I.X./4/B.SKIP **O**-0405 2SD1328 PL411 6V-80mA S415:RPT/5 S416:SCAN/6 S417:F/DEM0 LD406 LD407 LD408 R474 R475 SNL-010DT187×3 220-1/4W 270-1/4W S401,405,406,408,411~417:SKQMAJ <u>.</u> 8 Q406 2SD1328 PL418 6V-80mA R465 R466 30-1/4W 30-1/4W IC402 RS-31 0407 2SD1328 PL419 6V-80mA 27-1/4₩ 27-1/4₩ 24-1/4₩ 24-1/4₩ 22-1/ W W W W W REMOCON IC FIRST AMP LIMITER LCD401 LCD Display ABLC PARTY LD404 SML-010LTT87 R472 R479 330-1/4W 270-1/4W (38) (38) (38) (38) 0409 L0405 R473 SML-010LTT87 3.9K-1/4W **B** -33-D **F** -34-

G

2

3



IC401		IC	٠,	402
1. 2	5V	Γ	Ī	5V
3	0V/5V	2	!	DATA
4-60	DATA	3	1	0V
61~69	PS	4		0V
70	5.6V		_	
71,72	NC			
73, 74	0V			
75	osc			
76	5V			
77~80	DATA			

	1	2	3	4	5	MODE
⊖⊕∆Q401	NC	9V/0V	9.6V/9.6V	0V/5V	0V/0V	GRN/ORG

	E	С	В	MODE
⊜⊿Q402	07/07	13.8V/0V	0V/9V	GRN/ORG
○●△Q403	07/07	0V/13.8V	13.8V/0V	GRN/ORG
O●△Q404	0V/0V	13.8V/0V	0V/9V	GRN/ORG
○●△Q405	00/00	0V/13.8V	13.8V/0V	GRN/ORG
○●△Q406	00/00	13.8V/0V	0V/9V	GRN/ORG
∪ <b>●</b> △Q407	00/00	0V/13.8V	13.8V/0V	GRN/ORG
Q408	ov	0V	5V	
Q409	OV	0V	5V	

<Measuring Conditions>

: DC14V Power Supply Voltage

Measuring Meter Digital Multi Meter

3. Measuring Point Reference: Between Ground

4. Measuring Conditions : No Signal Input

FM: 98.1MHz AM: 999kHz (MW)

TAPE: Blank Tape Play

NOTE: O: For TDA-7556R Model Only,

•: For TDA-7659R Model Only,

△: For TDA-7552R Model Only,

: For TDA-7550R Model Only,

Others: Common.

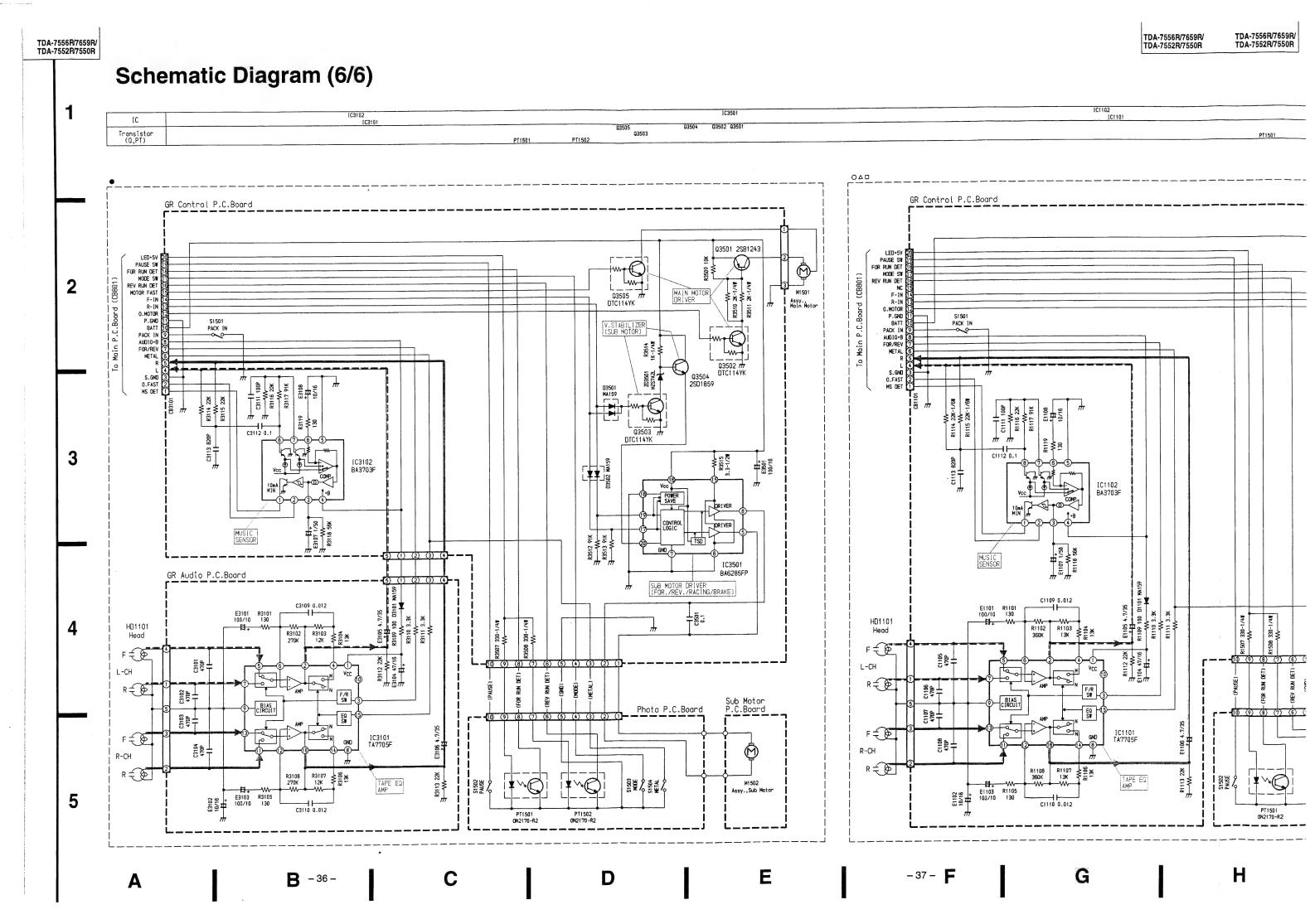
NOTE:

1. All resistance values are in ohms. K = 1,000

2. All capacitance values are in microfarads.  $P = \frac{1}{1,000,000}$ 

Κ

J -35 -

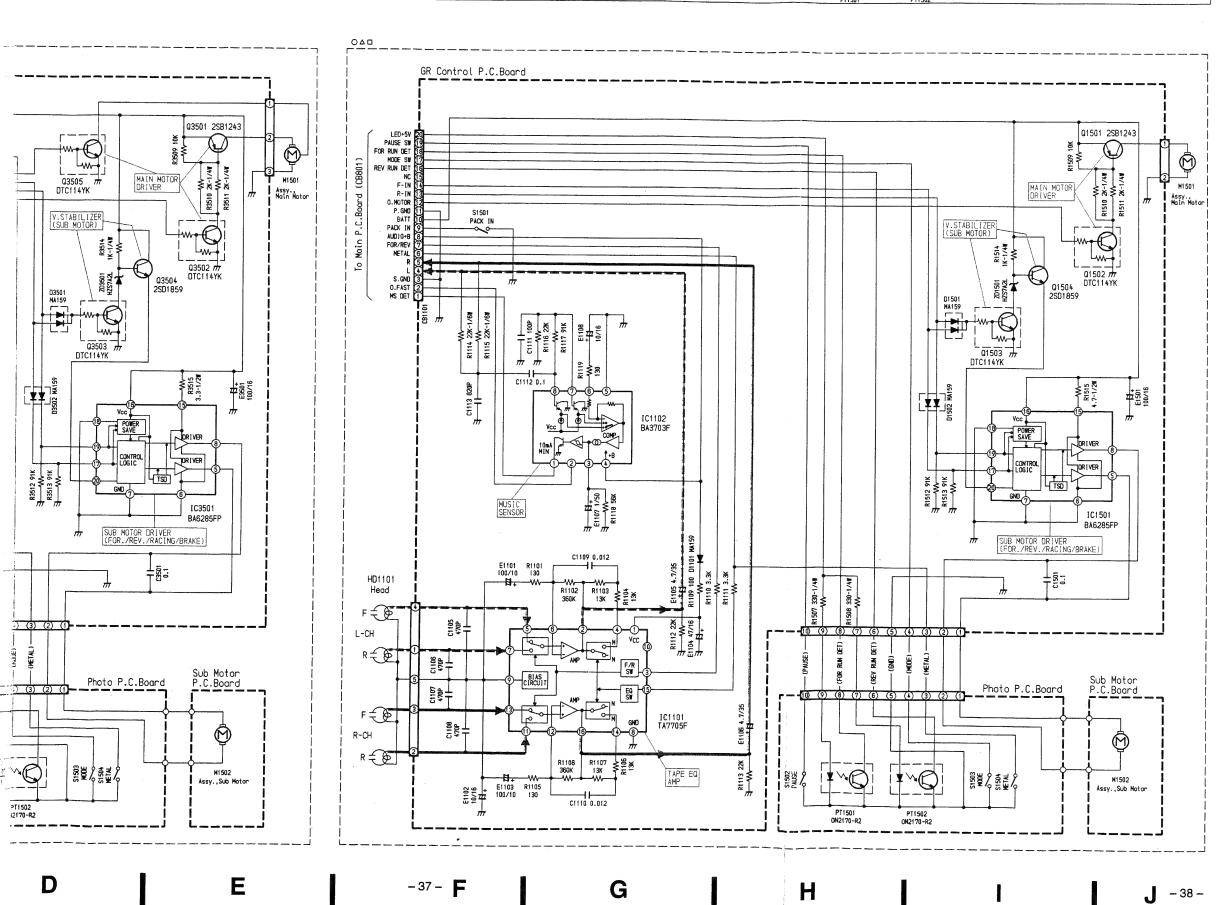


1C3501 [C1102 [C1501]

03505 03504 03502 03501 [C1101]

03503 01504 01502 01501

PTI502



	△□IC IC310		01			△□IC		O△E ●IC3	]IC150 501	)1
1	10.7V	9	3V		1	5.2V	]	1-4	NC	
2	3.1V	10	NC		2	0V		5~8	OV	
3	5.2V	11	3V		3	0V		9~14	NC	
4	3.1V	12	3V		4	12V		15	12V	
5	3V	13	3V	1	5	0V		16	12V	
6	3V	14	3.1V		6	0.6V	1	17~19	OV	
7	3V	15	0V	1	7	0V	1	20	12V	
8	0V	16	3.1V	1	8	0V		21~24	NC	

	Ε	С	В
O△□Q1501	12V	11.8V	11.3V
O∆□Q1502	0V	0.1V	5V
O△□Q1503	OV .	5.5V	0V
O△□ <b>Q1504</b>	11.6V	12V	12V
<b>⊕</b> Q3501	12V	11.8V	11.3V
<b>●</b> Q3502	OV	0.1V	5V
●Q3503	OV	5.5V	OV
<b>●</b> Q3504	11.6V	12V	12V
●Q3505	0V	0.5V	0V

### <Measuring Conditions>

Power Supply Voltage : DC12V

Measuring Meter : Digital Multi Meter
 Measuring Point Reference : Between Ground

4. Measuring Conditions : No Signal Input

FM : 98.1MHz AM : 999kHz (MW)

TAPE: Blank Tape Play

NOTE: O: For TDA-7556R Model Only,

●: For TDA-7659R Model Only,△: For TDA-7552R Model Only,

: For TDA-7552R Model Only, Others : Common.

NOTE:

- 1. All resistance values are in ohms. K = 1,000
- 2. All capacitance values are in microfarads.

$$P = \frac{1}{1,000,000}$$

K

		r					
	ymbol	Part No.	Description	S	ymbol	Part No.	Description
	No. Q324	48T62967F33	CP., DTC343TK		No.	1	
	Q325	48T63788F04	CP., 2SD1328		Diode	s/Surge Pr	atastar
0	Q325	48T63788F04	CP., 2SD1328	-	D1000	48T52446F01	CP., MA151WK
•	Q325	48T62967F33	CP., DTC343TK		D002	48T52446F01	CP. MA151WK
	Q325	48T62967F33	CP., DTC343TK		D003	48T64134F01	CP., DA204K
	0020	10102007100	51.4 5100451K		D071	48T68828F11	188133
0	Q326	48T63788F04	CP., 2SD1328	0	D321	48T63463F01	CP., DAP202K
	Q326	48T63788F04	CP., 2SD1328				
	Q326	48T62967F33	CP., DTC343TK		D321	48T63463F01	CP., DAP202K
	Q326	48T62967F33	CP., DTC343TK		D322	48T63463F01	CP., DAP202K
	Q501	48T63420F01	CP., 2SA1037K		D322	48T63463F01	CP. DAP202K
					D323	48T63463F01	CP., DAP202K
	Q502	48T62967F03	CP., DTC124K	ŏ	D323	48T63463F01	CP., DAP202K
1	Q503	48T73888F12	CP., FMC2				
	Q504	48T84366F01	2SB1243		D361	48T85270W02	MPG06G
	Q505	48T62967F05	CP., DTC143XK		D361	48T85270W02	MPG06G
1	Q506	48T69176F01	2SC3421		D361	48T85270W02	MPG06G
				0	D362	48T85270W02	MPG06G
	Q507	48T73888F12	CP., FMC2	Δ	D362	48T85270W02	MPG06G
0	Q508	48T62966F01	CP., DTA143	1			
	Q508	48T62966F01	CP., DTA143		D362	48T85270W02	MPG06G
	Q509	48T84366F04	2SB1243	0	D363	48T85270W02	MPG06G
•	Q510	48T62967F03	CP., DTC124K		D363	48T85270W02	MPG06G
					D363	48T85270W02	MPG06G
1	Q511	48T62967F23	CP., DTC143TK	0	D364	48T85270W02	MPG06G
1	Q512	48T62967F23	CP., DTC143TK				
ш	Q513	48T62967F23	CP., DTC143TK	Δ	D364	48T85270W02	MPG06G
0	Q811	48T62967F03	CP., DTC124K		D364	48T85270W02	MPG06G
•	Q811	48T62967F03	CP., DTC124K	0	D365	48T85270W02	MPG06G
					D365	48T85270W02	MPG06G
Δ	Q811	48T62967F03	CP., DTC124K		D365	48T85270W02	MPG06G
	Q831	48T62967F03	CP., DTC124K				
	Q832	48T73888F12	CP., FMC2	0	D366	48T85270W02	MPG06G
ш	Q833	48T73888F12	CP., FMC2	Δ	D366	48T85270W02	MPG06G
1	Q834	48T62967F03	CP., DTC124K		D366	48T85270W02	MPG06G
	0005	40700003500	OD DTO404K	0	D367	48T85270W02	MPG06G
0	Q835	48T62967F03	CP., DTC124K	Δ	D367	48T85270W02	MPG06G
	Q835	48T62967F03	CP., DTC124K	_	D267	497950701400	MPGOGG
	1	48T62967F03	CP 2SB709A		D367	48T85270W02 48T85270W02	MPG06G
	Q851 Q852	48T52437F01 48T52438F01	CP., 2SB709A CP., 2SD601A	0	D368	48T85270W02	MPG06G MPG06G
	3002	70102430F01	O, 230001A		D368 D368	48T85270W02	MPG06G
	Q853	48T62966F03	CP., DTA124		D501	48T68828F11	188133
	Q871	48T15289W04	2SD2008		301	.5.55525777	1.55.55
	Q872	48T62966F03	CP., DTA124		D502	48T85270W02	MPG06G
	Q873	48T62967F09	CP., DTC114TK		D503	48T68580F03	DSA3A4
	Q881	48T84366F04	2SB1243		D505	48T25651W02	CP., MA152WK
					D505	48T25651W02	CP., MA152WK
	Q882	48T62967F02	CP., DTC114K	1	D821	48T68828F11	188133
	Q885	48T63420F01	CP., 2SA1037K				
	Q886	48T62967F03	CP., DTC124K		D831	48T63462F01	CP., DAN202K
	Q887	48T25169W01	2SD2096		D832	48T63462F01	CP., DAN202K
	Q888	48T52438F01	CP., 2SD601A		D851	48T63463F01	CP., DAP202K
					D852	48T63462F01	CP., DAN202K
	Q888	48T52438F01	CP., 2SD601A		D853	48T68828F11	1SS133
Δ	Q888	48T52438F01	CP., 2SD601A				
		<u> </u>	·				

NOTE: ○: For TDA-7556R Model Only, □: For TDA-7550R Model Only, Others: Common. □: For TDA-7552R Model Only, □: For TDA-7552R Model Only, Others: Common.

# **Electrical Parts List**

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

			1			pF=picofarad	S
		Abbrevia	ations	S	ymbol	Part No.	Description
RE	S.= Re	sistor	CAP.= Capacitor		No.		·
C.	F.= Carl	bon Film	ELY.= Electrolytic		IC321	51T65379F22	XRA4558FH
M.	F.= Me	tal Film	CER.= Ceramic		IC321	51T65379F22	XRA4558FH
M.	O.= Me	tal Oxide Film	MYL.= Mylar	0	IC322	51T65379F22	XRA4558FH
M.	P.= Met	al Plate	TAN.= Tantalum	0	IC361	51T85153W01	TDA7384
TF	R. = Tra	nsistor	POLY.= Polystyrol	<b>△</b>	IC361	51T85153W01	TDA7384
TF	RANS.=	Transformer	PP. = Polypropylene	Ш			
CF	P. = Chi	р	PLT.= Polyethylene		IC361	51T85153W01	TDA7384
			PF. = Polyester Film	_	IC501	51T85151W08	85151W08
Sy	mbol	Part No.	Description	H	IC502	51T85088W01	85088W01
1	No.					51T92001F21	XRA4560F
				•	IC503	51T92001F21	XRA4560F
	Main	P.C.Board		41			0.0050118184.019
				11	IC821	51T95014F13	S-8052HNM-CR
	IC's			_11	IC841	51T65379F22	XRA4558FH
-	C006	51T67915F01	M51143AL	Ш	IC851	51T93332F01	NJM2903M
•	IC006	51T67915F01	M51143AL		IC871	51T95014F09	S-8054ALR-LN
Δ	IC006	51T67915F01	M51143AL				
	IC021	51T93336F01	NJM4558M				
	IC022	51T40941U03	MC14066BFL1	- 11	_		
				11-		sistors	100 5404
	IC041	51T35504W02	LC7219	Ш	Q001	48T73888F08	CP., FMG1
	IC061	51T55054W02	SAA6579T	Ш	Q002	48T62967F03	CP., DTC124K
	IC071	51T93336F01	NJM4558M	Ш	Q003	48T73888F08	CP., FMG1
0	IC201	51T85167W01	CXA2502M	- 11	Q004	48T73888F08	CP., FMG1
•	IC201	51T85167W01	CXA2502M	11	Q021	48T62967F03	CP., DTC124K
				Ш	0000	40770000500	CP., FMG1
Δ	IC201	51T85167W01	CXA2502M	- 11	Q022	48T73888F08	· Name of the second of the se
	IC201	51T11210W01	CXA1102M	11	Q061	48T63420F01	CP., 2SA1037K
	IC221	51T65131W01	TEA6320T	- 11	Q062	48T62967F03	CP., DTC124K
0	IC222	51T92001F21	XRA4560F	ш	Q071	48T63417F01	CP., 2SC2412K
•	IC222	51T92001F21	XRA4560F		Q072	48T63420F01	CP., 2SA1037K
				- 11	0004	40704004500	000000
_	IC222	51T65379F22	XRA4558FH	11	Q091	48T84234F03	2SB1238
	IC222	51T65379F22	XRA4558FH	- 11	Q092	48T84234F03	2SB1238
0	IC241	51T75584W01	TC9212F	Ш	Q093	48T62967F03	CP., DTC124K
•	IC241	51T75584W01	TC9212F	Ш	Q094	48T15289W03	2SD2008
0	IC242	51T92001F21	XRA4560F		Q095	48T93828F04	2SD1994A
	10010	F.1700001501	VDA4EGGE		0201	40104471500	CP., IMH1
•	IC242	51T92001F21	XRA4560F		1	48T94471F03	
0	IC261	51T75464W01	TDA8576T	11 *	Q201	48T94471F03	CP., IMH1
•	IC261	51T75464W01	TDA8576T	4		48T94471F03	CP., IMH1
0	IC271	51T75464W01	TDA8576T		Q291	48T73888F08	CP., FMG1
•	IC271	51T75464W01	TDA8576T		Q321	48T63788F04	CP., 2SD1328
	10070	ELTTE AD MAID:	TDA9576T		O221	49T63700E04	CP 25D1328
0	IC272	51T75464W01	TDA6576T		0000	48T63788F04	CP., 2SD1328
•	IC272	51T75464W01	TDA8576T			48T63788F04	CP., 2SD1328
	IC291	51T40941U03	MC14066BFL1	119	Q322	48T63788F04	CP., 2SD1328
0	IC301	51T92001F21	XRA4560F			48T63788F04	CP., 2SD1328
•	IC301	51T90149F03	M5218AFP	11 9	Q323	48T63788F04	CP., 2SD1328
	10004	E4T05270500	VDA4650EU		0222	A9T62067E32	CP DTC343TK
$\triangle$	IC301	51T65379F22	XRA4558FH	4	0004	48T62967F33	CP., DTC343TK
	IC301	51T65379F22	XRA4558FH			48T63788F04	CP., 2SD1328
0	IC321	51T65379F22	XRA4558FH	119	Q324	48T63788F04	CP., 2SD1328
	l	1		_  _			

NOTE:  $\bigcirc$ : For TDA-7556R Model Only,

●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

: For TDA-7550R Model Only, Others : Common.

Symbol   Part No.   Description   No.   No.   OB72   48158628F11   ISS133   Symbol   Part No.   Description   No.   OB72   48158628F11   ISS133   OB81   48185279002   OB82   48181349F01   CP.   DA294K   CP.   DA294K   CP.   DA294K   CP.   DA294K   CP.   DA294K   CP.   DA294K   CP.   O.047µF   CP.	_	d	Down No.	Description	S	mbol	Part No.		Description
New York   Section   Se	-		Part No.	Description			1 41110.		· · · · · · · · · · · · · · · ·
DBS   48T8S270W02   DBS   48T8S270W02   DBS   48T8S270W02   DBS   48T8S276W04   DBS   48T8S276W04   DBS   48T8S76W04   DBS   48T8S76W04   DBS			AQT60000E11	155133			08T15399W01	CP.,	0.022µF
DBB2	- 1								0.047μF
COD7	- 1				1			1	•
ZD092	- 1								
ZD802	- 1								·
ZD802	- 1	ZD092	48T25766W01	Zener, HZS6A1L		C008	001100331101	0' .,	0.0224
ZDB02   48725768W13   ZDB04   48725768W26   ZDB07   28725768W26   ZDB07   ZDB	- 1					0000	00715200W01	CB	0.02211E
Coll	- 1					1			
2087   48725768W02   2088   48725768W25   2088	- 1				1				· ·
Dobbs		ZD833	48T25766W22						•
O ZD682         48725768W25         Zener, HZS9C2L         —         C022         08735122W13         PF., 0.1μF           O ZD882         48725768W25         Zener, HZS9C2L         —         C022         08735122W13         PF., 0.1μF           DSP001         48781048F02         Zener, HZS9C2L         —         C022         08735122W13         PF., 0.1μF           DSP001         48781048F02         Zener, HZS9C2L         —         C022         08735122W13         PF., 0.1μF           CO21         08735122W13         PF., 0.1μF         PF., 0.1μF         PF., 0.1μF           CO22         08735122W13         PF., 0.1μF         PF., 0.1μF           CO23         0885128F69         CP., 0.01μF / 50V           CO24         08715399W01         PF., 0.15μF           C025         08735122W15         PF., 0.15μF           C026         08735122W15         PF., 0.15μF           C027         08715399W01         PF., 0.15μF           C1914         PF., 0.15μF         PF., 0.15μF           C1914         PF., 0.15μF         PF., 0.15μF           C1915         PF., 0.15μF         PF., 0.15μF           C1915         PF., 0.15μF         PF., 0.15μF           C1915         PF., 0.1		ZD871	48T25766W04		1				·
ZOBB2 48725766W25   Zener. HZS9C2L   Co22 08735122W13   PF.    0.1µF		ZD881	48T25766W26	Zener, HZS9C3L	0	C022	08155390W29	I F,	0.1μ-
ZOB82   487257568W25   Zener, HZS9C2L   DSP001   48781048F02   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   DSP001   Zener, HZS9C2L   Zener, H									- A - F
□ ZD882 48725766W25		ZD882	48T25766W25	Zener, HZS9C2L	•	i			•
DSP001 48T81048F02   Surge Protector, DSP-201M   Co23   08S85128F69   ELY.,   100µF / 10V   Co24   08S85128F69   ELY.,   100µF / 10V   Co24   08S85128F69   ELY.,   100µF / 10V   Co24   08S85128F69   ELY.,   10µF / 16V   Co24   08S85128F69   ELY.,   10µF / 16V   Co24   08S85128F69   ELY.,   10µF / 16V   Co25   08T55390W31   F.   0.15µF   Co25   08T55390W31   F.   0.15µF   Co25   08T55390W31   F.   0.15µF   Co25   08T55390W31   F.   0.15µF   Co25   08T55329W31   F.   0.15µF   Co25   08T35122W15   F.   0.15µF   Co26   08S85128F69   CP.   0.03µF   Co27   08T15399W01   CP.   0.03µF   Co27   08T15399W01   CP.   0.03µF   Co29   08S85128F69   CP.   0.01µF	•	ZD882	48T25766W25	Zener, HZS9C2L	Δ				•
Coils		ZD882	48T25766W25	Zener, HZS9C2L		C022			
Coils	ĺ	DSP001	48T81048F02	Surge Protector, DSP-201M		E022		1	· · · · · · · · · · · · · · · · · · ·
Coils						C023	08S65128F69	CP.,	0.01µF
Coils			1		1				
Coils			!			E023	23\$75372W10		•
Cols	┰		•	1		C024	08T15399W02	1 '	•
L071		Coils				E024	23S75372W04	ELY.,	10μF / 16V
L501			24T25798W13	Inductor, 1mH	0	C025	08T55390W31	TF,	0.15μF
L503			24T75055W06	Choke		C025	08T35122W15	PF.,	0.15µF
L503 24T65110W16				CP., 1µH					
Co25				· ·		C025	08T35122W15	PF.,	0.15µF
Crystals						C025	08T35122W15	PF.,	0.15µF
Crystals   X041   91785169W43   7.2MHz   A.932MHz   A.932MHz   A.932MHz   Co29   08S65128F69   CP., 0.01µF   Co29   08S65128F69   CP., 0.01µF   Co29   08S65128F69   CP., 0.01µF   Co29   08S65128F69   CP., 0.02µF   Co30   08T15399W01   CP., 0.022µF   Co30						E025	23S75372W14	ELY.,	0.68μF / 50V
X041   91785169W43   7.2MHz   X061   91785169W49   8.386MHz   X501   91785169W49   8.386MHz   X502   91785169W27   4.9152MHz   X602   91785169W27   4.9152MHz   X602   91785169W27   4.9152MHz   X602   91785169W27   4.9152MHz   X602   08585128F69   CP., 0.01µF   CO30   08582122F31   CP., 56pF   CO41   08582122F31   CP., 56pF   EU41   23875372W05   ELY., 22µF / 16V   CO42   08715399W01   CP., 0.022µF   CO41   08582122F31   CP., 18pF   CO42   08582122F19   CP., 18pF   CO43   08582122F19   CP., 18pF   CO44   08582122F19   CP., 0.1µF   CO51   08535374W01   CP., 0.1µF   CO52   08582122F33   CP., 68pF   CO44   CO52   08582122F33   CP., 68pF   CO44   CO52   CO	<u> </u>					C026	23S82372F19	ELY.,	(B.P) 2.2μF / 50V
X041   91785169W43   7.2MHz   X061   91785169W49   8.3886MHz   X501   91785169W49   8.3886MHz   X502   91785169W27   4.9152MHz   X502   08882122F31   CP., 0.02µF   CO41   08882122F31   CP., 0.022µF   CO42   08715399W01   CP., 0.022µF   CO43   08882122F19   CP., 18pF   CO44   08882122F19   CP., 18pF   CO44   08882122F19   CP., 18pF   CO51   08835374W01   CP., 0.1µF   CO52   08882122F33   CP., 68pF   CO52   08882122F33   CP., 68pF   CO52   08882122F33   CP., 68pF   CO52   08882122F33   CP., 68pF   CO52   2875372W10   ELY., 0.1µF   50V   E052   2875372W10   ELY., 0.1µF   5		Cryst	ale			C027	08T15399W02	CP.,	0.033µF
X061   91T45118W18   X501   91T85169W49   X502   91T85169W27   X502   Y502	_			7.2MHz					
X501   91785169W49   X502   91785169W27   X502   Y502   X502	1	1				C028	08S65128F69	CP.,	0.01μF
X502   91785169W27   4.9152MHz   C030   08715399W01   CP.,   0.022µF   C041   08582122F31   CP.,   56pF   E041   23875372W05   ELY.,   22µF / 16V   C042   08715399W01   CP.,   0.022µF   C043   08582122F19   CP.,   18pF   C044   08582122F19   CP.,   0.1µF   C051   08535374W01   CP.,   0.1µF   C051   08535374W01   CP.,   0.1µF   C051   23875372W06   ELY.,   33µF / 16V   C052   08582122F33   CP.,   68pF   C052   23875372W06   CP.,   0.1µF   C052   23875372W10   ELY.,   0.1µF / 50V   ELY.,   0.1µF /			1			C029	08S65128F69	CP.,	0.01μF
CO41   D8S82122F31   CP., 56pF   ELY., 22µF / 16V		1			Ш	C030	08T15399W01	CP.,	0.022μF
Filter / Buzzer  BPF001 91T75257W01 Filter, LPF11830K  BZ801 50T25148W02 CB13PA-225  BZ801 50T25148W02 CB13PA-225  BZ801 50T25148W02 CB13PA-225  Switches  SS01 40T45282W01 Slide, SLD-42-508 (Ai-NET * NORM/(EQ/DIV))  S821 40T75104W01 Tact,SKHLLB (RESET)  Capacitors  Capacitors  Co01 08S65128F69 CP., 0.01µF  E002 23S75372W05 CP., 100pF  Co03 08S65128F35 CP., 100pF  Co042 08T15399W01 CP., 0.022µF  Co43 08S82122F19 CP., 18pF  Co44 08S82122F19 CP., 18pF  Co44 08S82122F19 CP., 18pF  Co451 08S35374W01 CP., 0.1µF  Co51 08S35374W01 CP., 0.1µF  E051 23S75372W06 ELY., 33µF / 16V  Co52 08S82122F33 CP., 68pF  Co52 08S82122F33 CP., 68pF  E052 23S75372W10 ELY., 0.1µF / 50V  E052 23S75372W10 ELY., 0.1µF / 50V  E052 23S75372W10 ELY., 0.1µF / 50V  E053 23S75372W15 ELY., 1µF / 50V	1	7002	011001001121		Ш	C041	08S82122F31	CP.,	56pF
Filter / Buzzer  BPF001 91T75257W01 Filter, LPF11830K  BZ801 50T25148W02 CB13PA-225  BZ801 50T25148W02 CB13PA-225  BZ801 50T25148W02 CB13PA-225  Switches  Switches  S501 40T45282W01 Slide, SLD-42-508 (Ai-NET • NORM/(EQ/DIV))  S821 40T75104W01 Tact,SKHLLB (RESET)  C051 08S35374W01 CP., 0.1µF  23S75372W06 ELY., 33µF / 16V  23S75372W06 ELY., 33µF / 16V  C052 08S82122F33 CP., 68pF  C053 23S75372W10 ELY., 0.1µF / 50V  E052 23S75372W10 ELY., 0.1µF / 50V  E052 23S75372W10 ELY., 0.1µF / 50V  E052 23S75372W10 ELY., 0.1µF / 50V  E053 23S75372W15 ELY., 1µF / 50V	1				П	E041	23S75372W05	ELY.,	22μF / 16V
BPF001   91T75257W01   Filter, LPF11830K   C043   08S82122F19   CP., 18pF   CP., 18pF   CO44   08S82122F19   CP., 18pF   CO44   CO451   CA451   CO451   CO451   CO451   CO451   CA451   CO451   CO451   CA451   CA	⊢	<u> </u>	l		H				
BPF001 91T75257W01	ı	Eiltor	/ Duzzor		Ш	C042	08T15399W01	CP.,	0.022μF
BZ801       50725148W02       CB13PA-225         BZ801       50725148W02       CB13PA-225         CB13PA-225       CB13PA-225         CO51       08S35374W01       CP., 0.1μF         CO51       08S35374W01       CP., 0.1μF         CO51       08S35374W01       CP., 0.1μF         CO51       08S35374W01       CP., 0.1μF         E051       23S75372W06       ELY., 33μF / 16V         E051       23S75372W06       ELY., 33μF / 16V         E051       23S75372W06       ELY., 33μF / 16V         C052       08S82122F33       CP., 68pF         C052       08S82122F33       CP., 68pF         C052       08S82122F33       CP., 68pF         C052       08S82122F33       CP., 68pF         C052       08S8212F33       CP., 68pF         C052       08S8212F33       CP., 68pF         E052       23S75372W10       ELY., 0.1μF / 50V         E052       23S75372W10       ELY., 0.1μF / 50V         E053       23S75372W15       ELY., 1μF / 50V         C003       08S65128F35       CP., 100pF       E053       23S75372W15       ELY., 1μF / 50V	$\vdash$			Filter   PF11830K	Ш				•
BZ801 50T25148W02					Ш			1 .	•
Switches   Co51   08S35374W01   CP., 0.1μF	0		1		_			1 '	•
Switches   S501   40745282W01   Slide, SLD-42-508   E051   23S75372W06   ELY., 33µF / 16V   E052   23S75372W06   ELY., 68pF   E052   23S75372W10   E052   23S75372W10   ELY., 0.1µF / 50V   E053   23S75372W15   ELY., 0.1µF / 50V   E053   E053   E053   E053   E053   E053   E053   E053   E05	•	1					1		•
Switches   S501   40T45282W01   Slide, SLD-42-508   E051   23S75372W06   ELY., 33µF / 16V   E052   23S75372W06   ELY., 33µF / 16V   E052   23S75372W06   ELY., 68pF   E052   23S75372W10   ELY., 0.1µF / 50V   E052   23S75372W15   ELY., 0.1µF / 50V   E053   23S75372W15   ELY., 0.1µF / 50V   E053   23S75372W15   ELY., 1µF / 50V   E053   E1Y., 1µF / 50V	Δ	52801	50125148WU2	OD 13F A-220	"			[ ]	- <b>F</b>
Switches   S501   40T45282W01   Slide, SLD-42-508   E051   23S75372W06   ELY., 33µF / 16V   E052   23S75372W06   ELY., 33µF / 16V   E052   23S75372W06   ELY., 68pF   E052   23S75372W10   ELY., 0.1µF / 50V   E052   23S75372W15   ELY., 0.1µF / 50V   E053   23S75372W15   ELY., 0.1µF / 50V   E053   23S75372W15   ELY., 1µF / 50V   E053   E1Y., 1µF / 50V						C051	08S35374W01	CP	0.1uF
Switches   S501   40T45282W01   Slide, SLD-42-508   (Ai-NET • NORM/(EQ/DIV))   S821   40T75104W01   Tact,SKHLLB (RESET)   C052   08S82122F33   CP., 68pF   C052   08S82122F33   CP., 68pF   C052   C0			<u> </u>	1				1	·
SSIICTIES   S501   40T45282W01   Slide, SLD-42-508   (Ai-NET • NORM/(EQ/DIV))   S821   40T75104W01   Tact,SKHLLB (RESET)   C052   08S82122F33   CP., 68pF	1	0 11			C	′	1		
Color	_			100 to 01 D 40 500	II •	FOE4			•
S821   40T75104W01   Tact,SKHLLB (RESET)		S501	40145282W01						
Capacitors  Cos2						0032	00002122133	J' "	<del>оор.</del>
Capacitors  Capacitors  C052 08S82122F33 CP., 68pF  E052 23S75372W10 ELY., 0.1µF / 50V  E053 23S75372W15 ELY., 1µF / 50V	1	5821	40T75104W01	Iact,SKHLLB (HESEI)	11.	COEO	00000100533	CP	68nF
Capacitors  C001 08S65128F69 CP., 0.01µF E002 23S75372W10 ELY., 0.1µF / 50V E002 23S75372W05 ELY., 22µF / 16V C003 08S65128F35 CP., 100pF  C004 08S65128F35 CP., 100pF  E052 23S75372W10 ELY., 0.1µF / 50V E053 23S75372W15 ELY., 1µF / 50V	1				II °	COEO			·
Capacitors         C001       08S65128F69       CP., 0.01μF         E002       23S75372W05       ELY., 22μF / 16V         C003       08S65128F35       CP., 100pF             E052       23S75372W10       ELY., 0.1μF / 50V         E053       23S75372W15       ELY., 1μF / 50V	L				11	1			•
Capacitors    Cool   08865128F69   CP.,   0.01μF						′ I			•
E002 23S75372W05 ELY., 22μF / 16V C003 08S65128F35 CP., 100pF E053 23S75372W15 ELY., 1μF / 50V					! I •				
C003 08S65128F35 CP., 100pF		1			_	E052	23S/5372W10	ELY.,	υ. ιμε / ουν
COOL DESCRIPTION OF A FIRST			23S75372W05					F1.14	4
E003 23S75372W14 ELY., 0.68μF / 50V	1	C003	08S65128F35			1		1	·
		E003	23S75372W14	ELY., 0.68μF / 50V	II •	E053	23S75372W15	ELY.,	1μ <del>+</del> / 50V
					┸				

NOTE: ○: For TDA-7556R Model Only, □: For TDA-7550R Model Only, Others: Common. □: For TDA-7552R Model Only, Others: Common.

	mbol	Part No.	Description	3	Symbol	Part No.		Description
	No.	00075070		JL	No.			·
	E053	23S75372W15	ELY., 1μF / 50V		C221	08T35122W07	PF.,	0.033µF
0	E054	23S75372W04	ELY., 10μF / 16V	4		08T35122W07	PF.,	0.033μF
•	E054	23S75372W04	ELY., 10μF / 16V	Ш	E221	23S75372W15	ELY.,	1μF / 50V
	E054	23S75372W04	ELY., 10μF / 16V		C222	08T55390W23	TF.	0.033μF
	C061	08S82122F23	CP., 27pF	11 •	C222	08T35122W07	PF.,	0.033µF
	E061	23S75372W04	ELY., 10μF / 16V	Ш.	C222	08T35122W07	PF.,	0.033µF
	C062	08S82122F23	CP., 27pF		E222	23S75372W15	ELY.,	•
	E062	23\$75372W16	ELY., 2.2μF / 50V	11		08T55390W14	PF.,	1μF / 50V
	C063	08S82122F49	CP., 330pF		C223	08T55390W14	PF.,	5600pF
	E063	23\$75372W04	ELY., 10µF / 16V		0000	08T55390W14	PF.,	5600pF 5600pF
				Ш				
1	C064	08S65128F53	CP., 560pF	Ш	E223	23S75372W09	ELY.,	4.7μF / 35V
	C071	08S65128F69	CP., 0.01μF		C224	08T55390W14	PF.,	5600pF
	E071	23S75372W10	ELY., 0.1µF / 50V	11 •	C224	08T55390W14	PF.,	5600pF
	C072	08S65128F56	CP., 820pF		C224	08T55390W14	PF.,	5600pF
	C073	08T15399W01	CP., 0.022μF		E224	23S75372W09	ELY.,	4.7μF / 35V
	C074	08S65128F35	CP., 100pF		C225	08T15399W02	GP.,	0.033μF
	C075	08S65128F69	CP., 0.01µF		1	08T15399W02	CP.,	0.033μF
	C076	08S65128F61	CP., 2200pF		1	08S65128F66	CP.,	· ·
	C077	08S65128F69	CP., 0.01µF		E227	23S75372W15	ELY.,	5600pF
	C078	08S65128F81	CP., 0.039µF	11 _	0000		i .	1μF / 50V
		100000120101	0.000дг		0228	08S65128F66	CP.,	5600pF
	C091	08T15399W01	CP., 0.022μF	Ш	E228	23S75372W02	ELY.,	100μF / 10V
	E091	23S75372W03	ELY., 220μF / 10V	Ш	C229	08S65128F69	CP.,	0.01μF
	C092	08T15399W01	CP., 0.022µF	П	E229	23S75372W15	ELY.,	1μF / 50V
1	E092	23S75372W04	ELY., 10μF / 16V	Ш	E230	23\$75372W15	ELY.,	1μF / 50V
	C201	08T55390W27	TF, 0.068μF	11	E231	23S75372W15	ELY.,	1μF / 50 <b>V</b>
•	C201	08T35122W11	PF., 0.068μF	Ш	E232	23S75372W07	ELY.,	47μF / 16V
	C201	08T35122W11	PF., 0.068μF		E243	23S75372W15	ELY.,	1μF / 50V
- 1	E201	23S75372W15	ELY., 1μF / 50V		E243	23S75372W15	ELY.	1μF / 50V
0	C202	08T55390W27	TF, 0.068μF		E244	23S75372W15	ELY.,	1µF / 50V
	C202	08T35122W11	PF., 0.068μF		E244	23S75372W15	ELY.,	1μF / 50V
	C202	007351231414	DE 0.000.5	П				
		08T35122W11 23S75372W15	PF., 0.068μF ELY., 1μF / 50V	0	E245	23S75372W09	ELY.,	4.7μF / 35V
ı		23S75372W04	' '	•	E245	23S75372W09	ELY.,	4.7μF / 35V
- 1		23\$75372W04 23\$75372W09	ELY., 10µF / 16V ELY., 4.7uF / 35V	11	E246	23S75372W09	ELY.,	4.7μF / 35V
- 1.		23S75372W09 23S75372W10	, , , , , , , , , , , , , , , , , , , ,	11 •	E246	23S75372W09	ELY.,	4.7μF / 35V
	-203	200/00/2WIU	ELY., 0.1µF / 50V		E247	23S75372W15	ELY.,	1μF / 50V
- 1		23S75372W10	ELY., 0.1μF / 50V	<b>II</b> •	E247	23S75372W15	ELY.,	1μF / 50V
		23\$75372W10	ELY., 0.1μF / 50V	0	E261	23S75372W05	ELY.,	22μF / 16V
1		23S75372W14	ELY., 0.68μF / 50V	11 •	E261	23S75372W05	ELY.,	22μF / 16V
~	1	23S75372W10	ELY., 0.1μF / 50V		C262	08S65128F56	CP.,	820pF
• [	206	23S75372W10	ELY., 0.1μF / 50V	•	C262	08S65128F56	CP.,	820pF
	206	23S75372W10	ELY., 0.1μF / 50V		E262	23S75372W05	ELY.,	22μF / 16V
		23S75372W14	ELY., 0.68µF / 50V		E262	23S75372W05	ELY.,	<u> </u>
		23S75372W04	ELY., 10µF / 16V	<u> </u>	E263			22μF / 16V
		23S75372W04	ELY., 10µF / 16V	$ $ $ $	E263	23S75372W08 23S75372W08	ELY.,	100μF / 16V
- 1		23S75372W04	ELY., 10µF / 16V	11 •	E264		ELY.,	100μF / 16V
	i				E204	23S75372W08	ELY.,	100μF / 16V
			ELY., 22μF / 16V	11.	E264	23S75372W08	ELY.,	100μF / 16V
0	221	08T55390W23	TF, 0.033μF			08S65128F56	CP.,	820pF
								,

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

Svi	mbol	Part No.	Description	Sy	mbol	Part No.		Description	٦
	No.				No.				4
	C265	08S65128F56	CP., 820pF	Δ	E321		ELY.,	10μF / 16V	1
	E265	23S75372W07	ELY., 47µF / 16V		E321	23S75372W04	ELY.,	10μF / 16V	- 1
-	E265	23S75372W07	ELY., 47µF / 16V	0	E322	23S75372W04	ELY.,	10μF / 16V	1
<b>.</b> "	E266	23S75372W04	ELY., 10µF / 16V	0	E323	23S75372W04	ELY.,	10μF / 16V	-
$\sim$		23S75372W04	ELY., 10µF / 16V		E323	23S75372W04	ELY.,	10μF / 16V	1
•	E266	233/33/24404	ССТ., ТОДЕТТО	11 ~					- 1
			ELV 000E / 16V		E324	23S75372W04	ELY.,	10μF / 16V	- 1
	E271	23S75372W05	ELY., 22µF / 16V	$\circ$	E324	23S75372W04	ELY.,	10µF / 16V	- 1
	E271	23S75372W05	ELY., 22µF / 16V	11.	E325	23S75372W04	ELY.,	10μF / 16V	- 1
	C272	08S65128F56	CP., 820pF		1	23S75372W04	ELY.,	10µF / 16V	- 1
•	C272	08S65128F56	CP., 820pF	•	E325	1	ELY.,	10µF / 16V	
0	E272	23S75372W05	ELY., 22μF / 16V	Δ	E325	23S75372W04	EL1.,	10μ1 / 13Ψ	- 1
							E1.V	+0E / 16V	Ì
I •I	E272	23S75372W05	ELY., 22μF / 16V	0	E326	23S75372W04	ELY.,	10μF / 16V	ı
0	E273	23S75372W08	ELY., 100μF / 16V	•	E326	23S75372W04	ELY.,	10μF / 16V	- 1
ŏ	E273	23S75372W08	ELY., 100µF / 16V	Δ	E326	23S75372W04	ELY.,	10μF / 16V	ı
	E274	23S75372W08	ELY., 100µF / 16V	11	E327	23S75372W04	ELY.,	10μF / 16V	- 1
	E274	23S75372W08	ELY., 100µF / 16V	[]	E328	23S75372W04	ELY.,	10μF / 16V	]
									1
_	G275	08S65128F56	CP., 820pF		C361	08T15807W05	CP.,	0.1µF	
<u> </u>	C275	08S65128F56	CP., 820pF		C361	08T15807W05	CP.,	0.1μF	
•	E275	23S75372W05	ELY., 22µF / 16V		C361	08T15807W05	CP.,	0.1μF	
0	1	23S75372W05	ELY., 22µF / 16V			23T75478W35	ELY.,	0.33µF / 50V	
•	E275				5005	23T75478W35	ELY.,	0.33μF / 50V	
0	E276	23S75372W04	ELY., 10μF / 16V						
1			51.V 10.05 / 16.V	11 _	E365	23T75478W35	ELY.,	0.33μF / 50V	
•	E276	23S75372W04	ELY., 10μF / 16V		·	23T75478W35	ELY.,	0.33µF / 50V	
0	E277	23S75372W05	ELY., 22µF / 16V		F000	23T75478W35	ELY.	0.33µF / 50V	
•	E277	23S75372W05	ELY., 22μF / 16V	4		23T75478W35	ELY.,	0.33µF / 50V	
0	C278	08S65128F56	CP., 820pF			1	ELY.,	0.33μF / 50V	
•	C278	08S65128F56	CP., 820pF		E367	23T75478W35	ELT.,	0.55µ1 / 50V	1
1						007754701405	ELV	0.33µF / 50V	
0	E278	23S75372W05	ELY., 22μF / 16V	<u> </u>		23T75478W35	ELY.,		
	E278	23S75372W05	ELY., 22μF / 16V			23T75478W35		0.33μF / 50V	
	E279	23S75372W08	ELY., 100µF / 16V			23T75478W35	ELY.,	0.33μF / 50V	
	E279	23S75372W08	ELY., 100μF / 16V	4		23T75478W35	ELY.,	0.33μF / 50V	
0	E280	23S75372W08	ELY., 100µF / 16V		E368	23T75478W35	ELY.,	0.33μF / 50V	1
Ĭ									ŀ
	E280	23S75372W08	ELY., 100µF / 16V			23T75478W37	ELY.,	1μF / 50V	ŀ
0	0004	08S65128F56	CP., 820pF	4		23T75478W37	ELY.,	1μF / 50V	
	C281	08S65128F56	CP., 820pF		□ E369	23T75478W37	ELY.,	1μF / 50V	
	E201	23S75372W05	ELY., 22µF / 16V		E370	23T75478W18	ELY.,	47μF / 16V	
	E281	23S75372W05	ELY., 22µF / 16V		F070	23T75478W18	ELY.,	47μF / 16V	
▮.	'						1		
_	E282	23\$75372W04	ELY., 10µF / 16V		E370	23T75478W18	ELY.,	47μF / 16V	
	E282	23S75372W04	ELY., 10µF / 16V		E074	23T75478W37	ELY.,	1μF / 50V	
•	' I	23S75372W04	ELY., 22µF / 16V		10074	23T75478W37	ELY.,	1μF / 50V	
	E283	1			E074	23T75478W37	ELY.,	1μF / 50V	
•	E283	23S75372W05			C501	08S65128F69	CP.,	0.01µF	
C	E284	23S75372W05	ELY., 22μF / 16V						
		000750701405	ELV CONE / 16V		E501	23S75372W03	ELY.,	220μF / 10V	
•	E284	23S75372W05			C502	08S82122F21	CP.,	22pF	
	E301	23\$75372W04		11	E502	23S75372W02	ELY.,	100μF / 10V	
	E302	23S75372W04			C503	08\$82122F21	CP.,	22pF	
	E303	23S75372W04			5500		ELY.,	10μF / 16V	
	E304	23S75372W04	ELY., 10μF / 16V		⊃ E503	23S75372W04	1	τομι / τον	
						000750701115	EIV	1uE / 50V	
	E305	23S75372W04			E503	23S75372W15	ELY.,	1μF / 50V	
	E321	23S75372W04	ELY., 10μF / 16V	4	△ E503	23S75372W09	ELY.,	4.7μF / 35V	
									_
						del Onder A • E			

NOTE: ○: For TDA-7556R Model Only, □: For TDA-7550R Model Only, Others: Common. □: For TDA-7552R Model Only, Others: Common.

	mbol	Part No.		Description	S	ymbol	Part No.	Description
	No.	23S75372W16	EIV	2.2µF / 50V		No. IC881	00005100560	CP 0.011/F
	E503		ELY.,				08S65128F69	CP., 0.01μF
i I	C504	08T15399W01	CP.,	0.022μF	11 •	C881	08S65128F69	CP., 0.01μF
	E504	23T00149L27	ELY.,	330μF / 16V		C881	08S65128F69	CP., 0.01μF
	E505	23T00149L26	ELY.,	220µF / 16V	Ш	E881	23S75372W04	ELY., 10μF / 16V
•	E506	23S75373W06	ELY.,	100μF / 16V	Ш			· ·
					Ш			
	C507	08S82122F23	CP.,	27pF	Ш			
	E507	23T75346W02	ELY.,	4700µF / 16V	ш		1	
ŭ	£507	23T75346W01	ELY.,	2200µF / 16V	11	1		(All resistors are chip 1/10W±5%
Δ	E507	23T75346W02	ELY.,	4700μF / 16V	11	Resis	etore	unless otherwise noted.)
	E507	23T75346W02	ELY.,	4700µF / 16V		IR001	106S64995F53	1K ohm
	2007	201700401102	.,	4700µ. 7 101	11	R002	06S64995F77	10K ohm
	0500	00000100500	C.D.	24-5	Ш			
	C508	08S82122F22	CP.,	24pF	П	R004	06S64995F77	10K ohm
	E508	23S75372W15	ELY.,	1μF / 50V	Ш	R005	06S64995F77	10K ohm
	C509	08T15399W01	CP.,	0.022μF		R006	06S64995F81	15K ohm
	E509	23S75372W15	ELY.,	1μF / 50V	П			
	E510	23S75372W04	ELY.,	10μF / 16V	Ш	R007	06S64995F61	2.2K ohm
					11	R008	06S64995F53	1K ohm
	C511	08S65128F35	CP.,	100pF		R009	06S64995F61	2.2K ohm
	E511	23S75372W15	ELY.,	1μF / 50V		R014	06S64995F77	10K ohm
	C513	08S65128F35	CP.,	100pF		R021	06S64995F53	1K ohm
	C514	08S65128F35	CP.,	100pF	Ш			
	C515	08S65128F35	CP.,	100pF	Ш	R022	06S64995F53	1K ohm
	00.0	00000120100	0,	. обр.	- 11	R023	06S64995F61	2.2K ohm
	C517	08S65128F35	CP.,	100pF	Ш	R024		
			1		П	1	06S64995F61	2.2K ohm
1	C521	08S65128F35	CP.,	100pF	Ш	R025	06S64995F29	100 ohm
	C522	08S65128F35	CP.,	100pF	- 11	R026	06S64995F83	18K ohm
0	C523	08S65128F69	CP.,	0.01μF	Ш			
•	C523	08S65128F69	CP.,	0.01μF	Ш	R027	06S64995F85	22K ohm
					Ш	R028	06S64995F53	1K ohm
	C526	08T15399W01	CP.,	0.022μF	Ш	R029	06S64995F71	5.6K ohm
	C527	08T15399W01	CP.,	0.022μF	11	R030	06S70072F29	100 ohm 1/4W
0	C529	08S65128F35	CP.,	100pF	11	R031	06S64995F77	10K ohm
Δ	C529	08S65128F35	CP.,	100pF	- 11			
	C529	08S65128F35	CP.,	100pF	11	R032	06S64995F61	2.2K ohm
					Ш	R033	06S64995F53	1K ohm
	C530	08S65128F69	CP.,	0.01µF	Ш	R034	06S64995F53	1K ohm
	C532	08S65128F35	CP.,	100pF		R041	06S64995F53	1K ohm
		08S65128F35	CP.,	100pF		R042		
	E821	23S75372W04	ELY.,	10μF / 16V	H	11042	06S64995F93	47K ohm
						D040	00004005555	AM along
	C831	08S53332F23	CP.,	100pF	11	R043	06S64995F53	1K ohm
						R044	06S64995F93	47K ohm
	C832	08T15807W05	CP.,	0.1μF			06S64995F89	33K ohm
0	E832	23S75372W04	ELY.,	10μF / 16V	•	R051	06S64995F89	33K ohm
Δ	E832	23S75372W04	ELY.,	10μF / 16V	Δ	R051	06S64995F89	33K ohm
	E832	23S75372W04	ELY.,	10μF / 16V	11			
	E841	23S75372W02	ELY.,	100μF / 10V	II o	R052	06S64995F89	33K ohm
						R052	06S64995F89	33K ohm
	E843	23S75372W09	ELY.,	4.7μF / 35V		R052	06S64995F89	33K ohm
	C851	08S82122F37	CP.,	100pF		R053	06S64996F26	1M ohm
	E851	23S75372W04	ELY.,	10μF / 16V		R053	06S64996F26	1M ohm
	C852	08S82122F23	CP.,	27pF	11.	1	230040301 20	1141 Ollin
	C871		CP.,	0.01μF		BOES	06864000500	414 ab
	0071	08S65128F69	]	0.01μι-		R053	06S64996F26	1M ohm
	5074	00075077	ELV	4 ( 501/	0		06S64996F01	91K ohm
1	E871	23S75372W15	ELY.,	1μF / 50V	•	R054	06S64996F01	91K ohm
1	E872	23S75372W10	ELY.,	0.1μF / 50V		R054	06S64996F01	91K ohm
					┚┖		<u>                                     </u>	

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

Syn	nbol	Part No.	Description	Sy	mbol	Part No.	Description
	o.				No.		
F	1061	06S64995F61	2.2K ohm	•	R243	06S64996F02	100K ohm
F	1062	06S64995F69	4.7K ohm	0	R244	06S64996F02	100K ohm
F	1063	06S64995F77	10K ohm	•	R244	06S64996F02	100K ohm
F	R064	06S64995F53	1K ohm	0	R247	06S64995F65	3.3K ohm
F	R065	06S64995F53	1K ohm	•	R247	06S64995F65	3.3K ohm
				1	1		
F	3071	06S64996F02	100K ohm	0	R248	06S64995F65	3.3K ohm
	3072	06S64995F77	10K ohm		R248	06S64995F65	3.3K ohm
F	3073	06S64995F81	15K ohm	0	R261	06S64995F90	36K ohm
	3074	06S64996F10	220K ohm		R261	06S64995F90	36K ohm
1	3075	06S64996F14	330K ohm	0	R262	06S64995F90	36K ohm
	3076	06S64995F29	100 ohm	۱.	R262	06S64995F90	36K ohm
	3077	06S64995F77	10K ohm	0	R263	06S64995F90	36K ohm
	R078	06S64996F04	120K ohm		R263	06S64995F90	36K ohm
	R079	06S64995F13	22 ohm	0	R264	06S64995F90	36K ohm
1 1	R080	06S64996F02	100K ohm		R264	06S64995F90	36K ohm
				"			
	R081	06S64996F02	100K ohm	0	R271	06S64995F90	36K ohm
1	R091	06S64995F65	3.3K ohm		R271	06S64995F90	36K ohm
	R092	06S64995F53	1K ohm	0	D070	06S64995F90	36K ohm
	R093	06S70072F61	2.2K ohm 1/4W	Ĭ	R272	06S64995F90	36K ohm
	R094	06S64995F77	10K ohm		0070	06S64995F90	36K ohm
	1034	00004333177	Tork orien	$\Gamma$			
	R095	06S70072F41	330 ohm 1/4W	١.	R273	06S64995F90	36K ohm
	R096	06S53330F73	6.8K ohm 1/8W		D074	06S64995F90	36K ohm
	R201	06S64996F30	2.2M ohm		R274	06S64995F90	36K ohm
	R202	06S64996F30	2.2M ohm		D070	06S64995F90	36K ohm
	R203	06S64995F62	2.4K ohm		R276	06S64995F90	36K ohm
	1203	000043331 02	2.410 01111	1			
	R204	06S64995F62	2.4K ohm		R277	06S64995F90	36K ohm
	R205	06S64995F59	1.8K ohm		R277	06S64995F90	36K ohm
	R206	06S64995F59	1.8K ohm		D070	06\$64995F90	36K ohm
1 1	R207	06S64995F84	20K ohm		R278	06S64995F90	36K ohm
	R207	06S64995F84	20K ohm		2070	06S64995F90	36K ohm
	H207	000043331 04	EUK SIMI				
	R207	06S64995F84	20K ohm	_	R279	06S64995F90	36K ohm
	R207	06S64995F92	43K ohm	•	R291	06S64995F61	2.2K ohm
		06S64995F79	12K ohm		R292	06S64995F61	2.2K ohm
	R208 R208	06S64995F79	12K ohm		R301	06T15443W85	22K ohm
	R208	06S64995F79	12K ohm		R302	06T15443W85	22K ohm
	1200	155554555175					
	R209	06S64995F37	220 ohm		R303	06T15443W85	22K ohm
1 ~ 1	R209	06S64995F37	220 ohm		R304	06T15443W85	22K ohm
	R209	06S64995F37	220 ohm		R305	06T15443W79	12K ohm
	R210	06S64995F75	8.2K ohm		R306	06T15443W79	12K ohm
$\sim$	R210	06S64995F75	8.2K ohm		R307	06T15443W79	12K ohm
•		3333,3301,73					
	R210	06S64995F75	8.2K ohm		R308	06T15443W79	12K ohm
	R211	06S64995F69	4.7K ohm		10004	06S64995F77	10K ohm
	R221	06S64995F77	10K ohm		10000	06S64995F77	10K ohm
	R222	06S64995F77	10K ohm		Door	06S64995F77	10K ohm
	R223	06S64995F77	10K ohm		R324	06S64995F77	10K ohm
	11220	00004030177	. are drive				
	R224	06S64995F77	10K ohm		R325	06S64995F77	10K ohm
		06S64995F77	100K ohm		Danc	06S64995F77	10K ohm
0	R243	00304990F02	TOOK OHIII			1	
				L			

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

S	mbol	Part No.	Description	S	ymbol	Part No.	Description
	No.				No.		
	R327	06S64995F77	10K ohm		R347	06S64995F65	3.3K ohm
0	R328	06S64995F77	10K ohm		10040	06S64995F65	3.3K ohm
0	R329	06S64995F37	220 ohm		R348	06S64995F65	3.3K ohm
	R329	06S64995F37	220 ohm	11 -	R349	06S64995F29	100 ohm
	R330	06S64995F37	220 ohm	- 11	R350	06S64995F29	100 ohm
0	1.000	00001000107	220 011111	- 11	11000	00004330123	100 01111
	R330	06S64995F37	220 ohm	$\prod_{\alpha}$	R351	06S64995F85	22K ohm
<b>.</b>	R331	06S64995F65	3.3K ohm		R351	06S64995F89	33K ohm
0	R331	06S64995F71	5.6K ohm		Doss	06S64995F85	22K ohm
<b>.</b>	R332	06S64995F65	3.3K ohm		12054	06S64995F85	22K ohm
0	R332	06S64995F71	5.6K ohm		2050	06S64995F85	22K ohm
•	11002	00004000171	S.SK SIIII	С	11002	000049931783	221 01111
	R333	06S64995F29	100 ohm	- 11 -	R352	06S64995F89	33K ohm
0	R333	06S64995F29	100 ohm		0050		
_	R334	06S64995F29	100 ohm		Doso	06S64995F85	22K ohm
0	R334	06S64995F29	100 ohm		Doso	06S64995F85	22K ohm
<u> </u>	R335	06S64995F85	22K ohm	A	DOEA	06S64995F53	1K ohm
0	11000	00004990F00	EER OIIII	^	n354	06S64995F53	1K ohm
_ ا	R335	06S64995F89	33K ohm	- 11	B355	06964005552	1K ohm
Ĺ	R336	06S64995F85	22K ohm		5055	06S64995F53	1K ohm
0	R336					06S64995F61	2.2K ohm
•		06S64995F89	33K ohm	Δ	DOCO	06S64995F53	1K ohm
0	R337	06S64995F37	220 ohm			06S64995F61	2.2K ohm
•	R337	06S64995F37	220 ohm		R373	06S64995F77	10K ohm
	D007	00004005507		- 11			
$\triangle$	R337	06S64995F37	220 ohm			06S64995F77	10K ohm
0	R338	06S64995F37	220 ohm			06S64995F77	10K ohm
•	R338	06S64995F37	220 ohm	- 11	R501	06S64995F85	22K ohm
Δ	R338	06S64995F37	220 ohm	-	R502	06S64995F77	10K ohm
0	R339	06S64995F65	3.3K ohm	- 11	R503	06S64995F53	1K ohm
				- 11			
•	R339	06S64995F71	5.6K ohm	Ш	R504	06S64995F53	1K ohm
0	R340	06S64995F65	3.3K ohm		R505	06S64995F53	1K ohm
•	R340	06S64995F71	5.6K ohm		R506	06S64995F53	1K ohm
0	R341	06S64995F29	100 ohm	- 11	R507	06S64995F53	1K ohm
•	R341	06S64995F29	100 ohm	- 11	R508	06S64995F53	1K ohm
				- 11			
Δ	R341	06S64995F29	100 ohm	- []	R509	06S64995F53	1K ohm
0	R342	06S64995F29	100 ohm	- []	R510	06S64995F53	1K ohm
•		06S64995F29	100 ohm		R511	06S64995F77	10K ohm
Δ	R342	06S64995F29	100 ohm		R512	06S64995F61	2.2K ohm
0	R343	06S64995F85	22K ohm		R513	06S64995F53	1K ohm
•	R343	06S64995F89	33K ohm	11	R514	06S64995F85	22K ohm
Δ	R343	06S64995F85	22K ohm		R515	06S64995F61	2.2K ohm
0	R344	06S64995F85	22K ohm		R516	06S64995F61	2.2K ohm
•	R344	06S64995F89	33K ohm	11	R517	06S64995F85	22K ohm
Δ	R344	06S64995F85	22K ohm	11	R518	06S64995F85	22K ohm
		1		11			
0	R345	06S64995F37	220 ohm	11	R519	06S64995F53	1K ohm
•	R345	06S64995F37	220 ohm	11	R520	06S64995F53	1K ohm
Δ	R345	06S64995F37	220 ohm	- [ ]	R521	06S64995F93	47K ohm
0	R346	06S64995F37	220 ohm	0	R523	06S64995F78	11K ohm
•	R346	06S64995F37	220 ohm	•	R523	06S64995F77	10K ohm
۵	R346	06S64995F37	220 ohm	Δ	R523	06S64995F85	22K ohm
0	R347	06S64995F65	3.3K ohm		R523	06S64995F88	30K ohm

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

Symbol No.		Part No.	Description	S		nbol lo.	Part No.	Description		
		06S64995F87	27K ohm				06S64995F53	1K ohm		
O R5			15K ohm	11	Į,	1578	06S64995F53	1K ohm		
△ R5		06S64995F81	4.7K ohm	- 11	Į,	1579	06S64995F53	1K ohm		
□ R5	1	06S64995F69		11	-1		06S64995F53	1K ohm		
		06S64995F85	22K ohm	11			06S64995F94	51K ohm		
R5	526	06S64995F85	22K ohm		ľ	1501	0000 1000.			
RS	528	06S64995F93	47K ohm		ı		06S64995F94	51K ohm		
		06S64995F53	1K ohm	11	ŀ	R583	06S64995F53	1K ohm		
- 1	532	06S64995F93	47K ohm	11	1	R584	06S64995F53	1K ohm		
- 1	533	06S64995F93	47K ohm		H	R585	06S64995F53	1K ohm		
- 1	534	06S64995F93	47K ohm		١	R587	06S64996F02	100K ohm		
n.	034	003049301 00	4711		١					
R	535	06S64996F02	100K ohm		- 1	R588	06S64995F53	1K ohm		
R	538	06S64996F10	220K ohm	- 11	- 1	R589	06S64995F53	1K ohm		
R	539	06S64995F53	1K ohm	11	١	R590	06S64995F53	1K ohm		
	540	06S64995F93	47K ohm	11		R591	06S64995F53	1K ohm		
	541	06S64995F53	1K ohm			R592	06S64995F53	1K ohm		
			471/ above			R593	06S64995F53	1K ohm		
- 1	543	06S64995F93	47K ohm	11	ļ	R594	06S64995F53	1K ohm		
R	1544	06S64995F93	47K ohm	11				10K ohm		
Я	1545	06S64995F93	47K ohm	11		R595	06S64995F77	22K ohm		
Ħ	1546	06S64995F53	1K ohm		0	R596	06S64995F85			
P	R547	06S64995F53	1K ohm	- 11 '	•	R596	06S64995F85	22K ohm		
	2540	00004005553	1K ohm	- 11	0	R597	06S64995F85	22K ohm		
- 1	3548	06S64995F53	12K ohm		•	R597	06S64995F85	22K ohm		
	R550	06S64995F79		11	~	R598	06S64995F67	3.9K ohm		
೧	R551	06S64995F53	1K ohm		0	R598	06S64995F67	3,9K ohm		
• F	3551	06S64995F53	1K ohm	11	•		06S64995F67	3.9K ohm		
೧	3552	06S64995F93	47K ohm		0	R599	063643931 07	3.5K 3		
	9552	06S64995F93	47K ohm		•	R599	06S64995F67	3.9K ohm		
١٠,	R552	06S64995F77	10K ohm	11		R600	06S64995F61	2.2K ohm		
		06S64995F77	10K ohm		_	R802	06S64995F89	33K ohm		
	R552	06S70072F77	10K ohm 1/4W			R803	06S64995F89	33K ohm		
1	R556		1.8K ohm 1/4W			R804	06S64995F93	47K ohm		
	R557	06S70072F59	1.55 01111 17444							
	R558	06S70072F59	1.8K ohm 1/4W	- 11		R805	06S64995F93	47K ohm		
	R559	06S70072F59	1.8K ohm 1/4W	- 11		R806	06S64995F93	47K ohm		
	R560	06S70072F59	1.8K ohm 1/4W			R807	06S64995F93	47K ohm		
1 1	R561	06S64996F02	100K ohm			R808	06S64995F93	47K ohm		
. 1	R562	06S70072F53	1K ohm 1/4W		0	R811	06S64995F77	10K ohm		
						D044	06S64995F77	10K ohm		
	R564	06S70072F39	270 ohm 1/4W	- 11	•	R811		10K ohm		
	R565	06S70072F39	270 ohm 1/4W	11	Δ	R811	06S64995F77			
	R566	06S64995F93	47K ohm	- 11	C	R812	06S64995F53	1K ohm		
	R567	06S64995F77	10K ohm		•	R812	06S64995F53	1K ohm		
	R567	06S64995F77	10K ohm		Δ	R812	06S64995F53	1K ohm		
	D540	06S53330F77	10K ohm 1/8W	11		R813	06S64995F53	1K ohm		
1	R568		2.2K ohm 1/4W	11		R813	06S64995F53	1K ohm		
1	R569	06S70072F61		11	^	D012	06S64995F53	1K ohm		
	R570	06S64996F02	100K ohm	- 11	Δ	R821	06S64995F85	22K ohm		
	R573	06S64995F37	220 ohm	- 11				4.7K ohm		
	R574	06S64995F37	220 ohm			R822	06S64995F69	1.711 97/111		
	R575	06S64995F53	1K ohm	- 11		R823	06S64995F61	2.2K ohm		
		06S64995F53	1K ohm	11		R831	06S64995F77	10K ohm		
	R576	00004999000								

NOTE: O: For TDA-7556R Model Only, Others: Common.

• For TDA-7552R Model Only, Others: Common.

	mbol No.	Part No.	Description	5	Symbol	Part No.	Description
	R834	06S70072F53	1K ohm 1/4W		No. VR201	18T15356W13	Variable, 10K ohm
- 1	R835	06S70072F77	10K ohm 1/4W		VR202	18T15356W13	Variable, 10K ohm
- 1	R837	06S64995F77	10K ohm		V11202	101133304413	variable, Tox offin
~	R837	06S64995F77	10K ohm	11			
_	R837	06S64995F77	10K ohm	- 11			
	nos/	06364993F77	TOK ONTH				1
0	R838	06S64995F81	15K ohm				
Δ	R838	06S64995F81	15K ohm				
	R838	06S64995F81	15K ohm		Fron	t P.C.Board	
0	R839	06S64995F37	220 ohm				
	R839	06S64995F37	220 ohm	11	IC's		
.					IC401	51T85152W01	LC75883W
	R839	06S64995F37	220 ohm		IC402	51T55639W01	RS-31
	R851	06S64995F73	6.8K ohm		1		
	R852	06S64995F77	10K ohm	11			
	R853	06S64995F77	10K ohm	11-			
	R854	06S64995F69	4.7K ohm	11	Trans	sistors	
					10.464	48T73888F12	CP., FMC2
	R855	06S64995F73	6.8K ohm		Q401	48T73888F12	CP., FMC2
	R856	06S64995F77	10K ohm	2	Q401	48T73888F12	CP., FMC2
	R857	06S64995F77	10K ohm		10.00	48T63788F04	CP., 2SD1328
	R858	06S70072F19	39 ohm 1/4W		Q402	48T63788F04	CP., 2SD1328
	R859	06S70072F19	39 ohm 1/4W				
					Q402	48T63788F04	CP., 2SD1328
	R860	06S70072F19	39 ohm 1/4W		0.400	48T63788F04	CP., 2SD1328
	R861	06S70072F19	39 ohm 1/4W	il a	Q403	48T63788F04	CP., 2SD1328
	R862	06S64995F61	2.2K ohm		Q403	48T63788F04	CP., 2SD1328
	R863	06S64995F57	1.5K ohm			48T63788F04	CP., 2SD1328
	R864	06S64995F57	1.5K ohm				. ,
		}		11.	Q404	48T63788F04	CP., 2SD1328
- 1	R865	06S64995F61	2.2K ohm		Q404	48T63788F04	CP., 2SD1328
- 1	R866	06S64995F55	1.2K ohm		0.00	48T63788F04	CP., 2SD1328
	R867	06S70072F05	10 ohm 1/4W		Q405	48T63788F04	CP., 2SD1328
ı	R871	06S70072F67	3.9K ohm 1/4W		0405	48T63788F04	CP., 2SD1328
	R872	06S53330F69	4.7K ohm 1/8W				.,
				C	Q406	48T63788F04	CP., 2SD1328
	R873	06S53330F69	4.7K ohm 1/8W		Q406	48T63788F04	CP., 2SD1328
	R881	06S53330F77	10K ohm 1/8W		Q406	48T63788F04	CP., 2SD1328
	R883	06S70072F59	1.8K ohm 1/4W			48T63788F04	CP., 2SD1328
		06S64995F77	10K ohm		Q407	48T63788F04	CP., 2SD1328
- 1		06S70072F89	9.1 ohm 1/4W	11 "			., 255,626
					Q407	48T63788F04	CP., 2SD1328
	R889	06S70072F89	9.1 ohm 1/4W	11 ~	Q408	48T62967F03	CP., DTC124K
	R890	06S70072F89	9.1 ohm 1/4W	l I I	Q409	48T62967F03	CP., DTC124K
- 1		06S64995F77	10K ohm	11			J., DIVIL-11
- 1		06S64995F77	10K ohm				
		06S70072F61	2.2K ohm 1/4W	11		1	
					1		
	R894	06S64995F77	10K ohm	11	Diode	S	
	R895	06S70072F45	470 ohm 1/4W		D401	48T64134F01	CP., DA204K
0	R896	06S64995F55	1.2K ohm		D402	48T64134F01	CP., DA204K
•	R896	06S64995F55	1.2K ohm	i i i	D403	48T64134F01	CP., DA204K
	R896	06S64995F55	1.2K ohm			48T64134F01	CP., DA204K
					D405	48T64134F01	CP., DA204K
ı	R897	06S70072F89	9.1 ohm 1/4W	- 11			
1		06S70072F59	1.8K ohm 1/4W	_	D406	48T81063F01	CP., MA159
			-	11	1		

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

	nbol i	Part No.	Description		mbol	Part No.	Description
۳	o.				No.	AOTECCOMION	Tact, CP. SKQMAJ (RDS/1/DOLBY)
		48T81063F01	CP., MA159				
lo	1408	48T63462F01	CP., DAN202K	11	S412	40T55656W03	Tact, CP. SKQMAJ (PTY/2/P.S. DN)
	0409	48T64134F01	CP., DA204K	11	S413	40T55656W03	Tact, CP. SKQMAJ (P.PTY/3/P.S. U
		48T64134F01	CP., DA204K		S414	40T55656W03	Tact, CP. SKQMAJ (M.I.X./4/B.SKIP
,	0409			11	S415	40T55656W03	Tact, CP. SKQMAJ (RPT/5)
7   E	0409	48T64134F01	CP., DA204K	11	04.0		,
1				11	0.440	AOTECCEONIOS	Tact, CP. SKQMAJ (SCAN/6)
Z	ZD401	48T84735F07	Zener, MA3056	11	S416	40T55656W03	
1				11	S417	40T55656W03	Tact, CP. SKQMAJ (F/DEMO)
1				11	1		
		1		11		ļ	
				11	İ		
	LED's			11	1		
	LD401	48T65477W05	CP., SLM-010DTT87 (ORG)	11			
- 1.	LD402	48T65477W05	CP., SLM-010DTT87 (ORG)	11	Lamp	S	
~ [			CP., SLM-010DTT87 (ORG)	_	PL401	65T75522W02	CP., 9V-85mA
	LD402	48T65477W05			PL401	65T75522W02	CP., 9V-85mA
Δ	LD402	48T65477W05	CP., SLM-010DTT87 (ORG)	11 *	DI 401	65T75522W02	CP., 9V-85mA
	LD403	48T65477W05	CP., SLM-010DTT87 (ORG)				
I				C	PL402	65T75522W02	CP., 9V-85mA
_	LD403	48T65477W05	CP., SLM-010DTT87 (ORG)	11.	PL402	65T75522W02	CP., 9V-85mA
٦,	LD403	48T65477W05	CP., SLM-010DTT87 (ORG)	11	1		
`			CP., SLM-010LTT87 (RED)		PL402	65T75522W02	CP., 9V-85mA
ı	LD404	48T65477W02				65T75231W06	9V-85mA
- 1	LD405	48T65477W02	CP., SLM-010LTT87 (RED)		PL403	65T75231W06	9V-85mA
ା	LD406	48T65477W05	CP., SLM-010DTT87 (ORG)	11 *	1		9V-85mA
- 1				4		65T75231W06	1
	LD406	48T65477W05	CP., SLM-010DTT87 (ORG)		PL403	65T75231W01	9V-85mA
٦	LD406	48T65477W05	CP., SLM-010DTT87 (ORG)	- 11			
$\triangle$	LD407	48T65477W05	CP., SLM-010DTT87 (ORG)		PL404	65T75231W06	9V-85mA
ା			CP., SLM-010DTT87 (ORG)		PL404	65T75231W06	9V-85mA
•	LD407	48T65477W05			DI 404	65T75231W06	9V-85mA
Δ	LD407	48T65477W05	CP., SLM-010DTT87 (ORG)	4			9V-85mA
						65T75231W01	
0	LD408	48T65477W05	CP., SLM-010DTT87 (ORG)	-11	PL411	65T75233W01	CP., 6V-80mA
	LD408	48T65477W05	CP., SLM-010DTT87 (ORG)	П			
•	LD408	48T65477W05	CP., SLM-010DTT87 (ORG)	- 11	PL412	65T75233W01	CP., 6V-80mA
$\triangle$	122400	10100			PL413	65T75233W02	CP., 6V-80mA
	1				PL413	65T75233W02	CP., 6V-80mA
	1			-11	PL413	1	CP., 6V-80mA
				-     4			CP., 6V-80mA
				<b>-11</b>	DL414	65T75233W02	CP., 8V-00IIIA
		_			PI 414	65T75233W02	CP., 6V-80mA
	Swit		TT - OD DECLEAS /INTERTONIO		DI 444		CP., 6V-80mA
	\$401	40T55656W03	Tact, CP. SKQMAJ (INTLZ/PWR)		△ PL414		9V-85mA
	S403	40T75234W01	Tact, CP. SKQNAC (SOURCE/A.S.	J.) (	~ <u>1</u>	65T75231W02	
	S404	40T75234W01	Tact, CP. SKQNAC (EJECT)	·		65T75231W02	9V-85mA
	S405	40T55656W03	Tact, CP. SKQMAJ (REW/DN)		△ PL415	65T75231W02	9V-85mA
	S406	40T55656W03	Tact, CP. SKQMAJ (FF/UP)				
	1000		, , , , ,		PL417	65T75232W01	CP., 6V-80mA
			T OD SKONAG /TUNE/A MENA	, Π	PL418		CP., 6V-80mA
	S407	40T75234W01	Tact, CP. SKQNAC (TUNE/A.MEMO	"			CP., 6V-80mA
	S408	40T55656W03	Tact, CP. SKQMAJ (BAND/PROG)		PL419	051/52339901	J, 57 55mm
	\$409	40T75234W01	Tact, CP. SKQNAC (TITLE)	11			1
	S410	40.T75234W01	Tact, CP. SKQNAC (T.INFO)	11			
_		40T55656W03	Tact, CP. SKQMAJ	11			
0	, , , , ,	30,0000,000	(RDS/1/DOLBY • B/C)	11			
			(100/1/20201 - 0/0)		Can	acitore	
				11-	Cap 1C401	acitors   08S82122F59	CP., 820pF
•	S411	40T55656W03	Tact, CP. SKQMAJ		1		
i			(RDS/1/DOLBY • B/C)		E401	23T25191W39	CP. ELY., 6.8µF/6.3V
Δ	S411	40T55656W03	Tact, CP. SKQMAJ		C402	08T15399W03	CP., 0.047μF
 			(RDS/1/DOLBY • B/C)	[ ]	1		
i							
							For TDA-7552R Model Only,

No.  Rec   R40   R	esistors 02 068 03 068 04 068 05 068 06 068 07 068 11 068 11 068 11 068 15 068 16 068 22 068 22 068 22 068	64995F77 64995F77 64995F69 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69 64995F61	(All resistors are chip 1/4W±5% unless otherwise noted.)  10K ohm 1/10W  10K ohm 1/10W  4.7K ohm 1/10W  1K ohm 1/10W  2.7K ohm 1/10W  3.7K ohm 1/10W  4.7K ohm 1/10W  4.7K ohm 1/10W  4.7K ohm 1/10W  4.7K ohm 1/10W		No. R456 R457 R457 R457 R458 R458 R458 R459 R460 R461	06S70072F43 06S70072F41 06S70072F41 06S70072F41 06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	390 ohm 330 ohm 330 ohm 330 ohm 270 ohm 270 ohm 270 ohm 22 ohm 22 ohm 22 ohm 22 ohm
R44(R44) R44	02 06S 03 06S 04 06S 05 06S 06 06S 07 06S 10 06S 11 06S 12 06S 14 06S 15 06S 16 06S 22 06S 22 06S	64995F77 64995F69 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F63 64995F69 64995F69	Unless otherwise noted.)  10K ohm 1/10W  10K ohm 1/10W  4.7K ohm 1/10W  10K ohm 1/10W  1K ohm 1/10W  68K ohm 1/10W		R457 R457 R457 R458 R458 R458 R459 R460 R461	06S70072F41 06S70072F41 06S70072F41 06S70072F39 06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	330 ohm 330 ohm 330 ohm 270 ohm 270 ohm 270 ohm 22 ohm 22 ohm 22 ohm
R44(R44) R44	02 06S 03 06S 04 06S 05 06S 06 06S 07 06S 10 06S 11 06S 12 06S 14 06S 15 06S 16 06S 22 06S 22 06S	64995F77 64995F69 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F63 64995F69 64995F69	10K ohm 1/10W 10K ohm 1/10W 4.7K ohm 1/10W 10K ohm 1/10W 1K ohm 1/10W 68K ohm 1/10W		R457 R457 R458 R458 R458 R459 R460 R461	06S70072F41 06S70072F41 06S70072F39 06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	330 ohm 330 ohm 270 ohm 270 ohm 270 ohm 22 ohm 22 ohm 22 ohm
R440 R440 R441 R441 R441 R441 R441 R441	03 06S 04 06S 05 06S 06 06S 07 06S 10 06S 11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S	64995F77 64995F69 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	10K ohm 1/10W 4.7K ohm 1/10W 10K ohm 1/10W 1K ohm 1/10W 4.7K ohm 1/10W 68K ohm 1/10W	0	R457 R458 R458 R458 R459 R460 R461	06S70072F41 06S70072F39 06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	330 ohm 270 ohm 270 ohm 270 ohm 22 ohm 22 ohm 22 ohm
R440 R440 R440 R440 R440 R440 R440 R440	04 06S 05 06S 06 06S 07 06S 11 06S 11 06S 12 06S 13 06S 14 06S 15 06S 22 06S 22 06S 22 06S 22 06S	64995F69 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	4.7K ohm 1/10W 10K ohm 1/10W 1K ohm 1/10W 4.7K ohm 1/10W 68K ohm 1/10W	0	R458 R458 R459 R460 R461 R461	06S70072F39 06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	270 ohm 270 ohm 270 ohm 22 ohm 22 ohm 22 ohm
R44(R44)R44R44R44R44R44R44R44R44R44R44R44R44	05 06S 06 06S 07 06S 110 06S 11 06S 112 06S 113 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	10K ohm 1/10W 1K ohm 1/10W 4.7K ohm 1/10W 68K ohm 1/10W		R458 R458 R459 R460 R461 R461	06S70072F39 06S70072F39 06S70072F13 06S70072F13 06S70072F13	270 ohm 270 ohm 22 ohm 22 ohm 22 ohm 22 ohm
R440 R441 R441 R441 R441 R441 R441 R441	06 06S 07 06S 110 06S 11 06S 11 06S 11 06S 12 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	1K ohm 1/10W  4.7K ohm 1/10W  68K ohm 1/10W	0	R458 R459 R460 R461 R461 R461	06S70072F39 06S70072F13 06S70072F13 06S70072F13	270 ohm 22 ohm 22 ohm 22 ohm 22 ohm
R44 R44 R44 R44 R44 R44 R44 R44 R44 R44	07 06S 10 06S 11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69 64995F67	1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W 68K ohm 1/10W	0	R458 R459 R460 R461 R461 R461	06S70072F39 06S70072F13 06S70072F13 06S70072F13	270 ohm 22 ohm 22 ohm 22 ohm 22 ohm
R44	10 06S 11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W 68K ohm 1/10W	0	R459 R460 R461 R461 R461	06S70072F13 06S70072F13 06S70072F13 06S70072F13	22 ohm 22 ohm 22 ohm 22 ohm
R44	10 06S 11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W 68K ohm 1/10W	• \$\triangle\$	R460 R461 R461 R461	06S70072F13 06S70072F13 06S70072F13	22 ohm 22 ohm 22 ohm
R44	10 06S 11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F53 64995F53 64995F69 64995F69	1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W 68K ohm 1/10W	• \$\triangle\$	R460 R461 R461 R461	06S70072F13 06S70072F13 06S70072F13	22 ohm 22 ohm
R4* R4* R4* R4* R4* R4* R4* R4* R4*	11 06S 12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F53 64995F69 64995F69 64995F61	1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W 68K ohm 1/10W	• \$\triangle\$	R461 R461 R461	06S70072F13	22 ohm 22 ohm
R4 R	12 06S 13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F53 64995F69 64995F69 64995F61	1K ohm 1/10W 1K ohm 1/10W 1K ohm 1/10W 4.7K ohm 1/10W 68K ohm 1/10W	• \$\triangle\$	R461	06S70072F13	22 ohm
R4 R4 R4: R4: R4: R4: R4: R4: R4:	13 06S 14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F69 64995F69 64995F61	1K ohm 1/10W  1K ohm 1/10W  4.7K ohm 1/10W  68K ohm 1/10W	- 11	R461		
R4 R	14 06S 15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F53 64995F69 64995F97 64995F61	1K ohm 1/10W 4.7K ohm 1/10W 68K ohm 1/10W	- 11	R461		
R44 R44 R45 R45 R45 R45 R46 R46	15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F69 64995F97 64995F61	4.7K ohm 1/10W 68K ohm 1/10W	- 11		06870070510	22 ohm
R44 R44 R45 R45 R45 R45 R46 R46	15 06S 16 06S 22 06S 22 06S 22 06S 22 06S	64995F69 64995F97 64995F61	4.7K ohm 1/10W 68K ohm 1/10W	0	DACO	06S70072F13	22 011111
R44 R45 R45 R45 R45 R45 R45 R45	16 06S 22 06S 22 06S 22 06S 22 06S	64995F97 64995F61	68K ohm 1/10W	•	R462	06S70072F15	27 ohm
R42 R42 A R42 R42 R44 A R44	22 06S 22 06S 22 06S 23 06S	64995F61			R462	06S70072F15	27 ohm
R42 R42 A R42 R42 R44 A R44	22 06S 22 06S 22 06S 23 06S	64995F61			R462	06S70072F15	27 ohm
R4:	22 06S 22 06S 23 06S						
A R41	22 06S 23 06S	104990001	2.2K ohm 1/10W	11 ~	R463	06S70072F16	30 ohm
R4:	23 068		2.21 01111 1710	$\circ$	1		
R4:	23 068		2014 1 44000	•	R463	06S70072F16	30 ohm
R4		64995F61	2.2K ohm 1/10W	Δ	R463	06S70072F16	30 ohm
△ R4	23 1000	64995F61	2.2K ohm 1/10W	0	R464	06S70072F16	30 ohm
T	-50 1000	64995F61	2.2K ohm 1/10W	•	R464	06S70072F16	30 ohm
⊃ R4	23 068	64995F61	2.2K ohm 1/10W	- 11			
~ I	24 068	64995F61	2.2K ohm 1/10W		R464	06S70072F16	30 ohm
				11 -	R465	06S70072F16	30 ohm
R4:	24 065	64995F61	2.2K ohm 1/10W		R466	06S70072F16	30 ohm
~ I			į .	- 11			
△  R4:		64995F61	2.2K ohm 1/10W	- 11	R467	06S70072F15	27 ohm
⊃  R4		64995F61	2.2K ohm 1/10W	Ш	R468	06S70072F15	27 ohm
R4:	25 068	64995F61	2.2K ohm 1/10W	Ш			
△  R4:	25 068	64995F61	2.2K ohm 1/10W		R469	06S70072F14	24 ohm
				- 11	R470	06S70072F14	24 ohm
- R4	26 068	64995F61	2.2K ohm 1/10W	- 11	R471	06S70072F13	22 ohm
R4:	26 068	64995F61	2.2K ohm 1/10W	- 11	R472	06S70072F41	330 ohm
∧ B4		64995F61	2,2K ohm 1/10W	- 11	R473	06S70072F67	3.9K ohm
-   - 4		64995F61	2.2K ohm 1/10W		11470	00070072107	0.510 0.1111
~				Ш			
R4:	2/ 065	64995F61	2.2K ohm 1/10W		R474	06S70072F37	220 ohm
				•	R474	06S70072F37	220 ohm
△ R4	27 068	64995F61	2.2K ohm 1/10W		R474	06S70072F37	220 ohm
) R4	28 068	64995F93	47K ohm 1/10W	0	R475	06S70072F39	270 ohm
R4	28 068	64995F93	47K ohm 1/10W		R475	06S70072F39	270 ohm
∆ R4		64995F93	47K ohm 1/10W				
R4:		64995F53	1K ohm 1/10W		R475	06S70072F39	270 ohm
	_	2,000,00			R476	06S70072F39	30 ohm
B	20 000	CADOECES	1K ohm 1/10W		6		
R4:		64995F53	1K ohm 1/10W	11 •	R476	06\$70072F16	30 ohm
⊃ R4		70072F09	15 ohm	Δ	R476	06S70072F16	30 ohm
R4	51 068	70072F09	15 ohm	0	R477	06S70072F16	30 ohm
△ R4	51 068	70072F09	15 ohm				
R4	52 068	70072F09	15 ohm		R477	06S70072F16	30 ohm
					R477	06S70072F16	30 ohm
R4	52 065	70072F09	15 ohm	- 11	R478	06S70072F17	33 ohm
∆ R4			15 ohm		1	1	
_		70072F09		•	R478	06S70072F17	33 ohm
R45	1	70072F09	15 ohm		R478	06S70072F17	33 ohm
R4:	1	70072F09	15 ohm				
R4	55 068	70072F41	330 ohm		R479	06S70072F39	270 ohm
					R481	06S64995F46	510 ohm 1/10W

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

-	mbol	Part No.	Description	Symbol	Part No.	Description
	No. R482	06S64995F53	1K ohm 1/10W	No. R3510	06S70072F60	2K ohm 1/4W
_		06S64995F53	1K ohm 1/10W	R3511	06S70072F60	2K ohm 1/4W
			1K ohm 1/10W	R3512	06S53331F01	91K ohm 1/8W
4	R482	06S64995F53	IN ORM 1/1044		06S53331F01	91K ohm 1/8W
				R3513		
	1			R3514	06S70072F53	1K ohm 1/4W
				R3515	06S81094F05	M.F., 3.3 ohm 1/2W
	GR C	ontrol P.C.Bo	ard (♠)			
	IC's				<u> </u>	
		51T75010W01	BA3703F	GRC	ontrol P.C.Bo	oard (○△□)
	IC3501	51T75628W01	BA6285FP			
				IC's		
					51T64606F02	TA7705F
					51T75010W01	BA3703F
	Trans			IC1501	51T75628W01	BA6285FP
		48T84366F05	2SB1243			
	Q3502	48T62967F06	CP., DTC114YK			
	Q3503	48T62967F06	CP., DTC114YK			
	Q3504	48T83835F03	2SD1859	Trans	sistors	·
	Q3505	48T62967F06	CP., DTC114YK	Q1501	48T84366F05	2SB1243
				Q1502	48T62967F06	CP., DTC114YK
				Q1503	48T62967F06	CP., DTC114YK
				Q1504	48T83835F03	2SD1859
	Diode	s				
		48T81063F01	CP., MA159			
	D3502	48T81063F01	CP., MA159		<u></u>	
	1	48T83128F11	Zener, HZS7A2L	Diode	96	
				D1101	148T81063F01	CP., MA159
				D1501	48T81063F01	CP., MA159
┝	L	L		D1502		CP., MA159
	Capa	oitore			48T83128F11	Zener, HZS7A2L
<u> </u>		23S75372W15	ELY., 1µF / 50V	251001	10100120111	
		23S75372W04	ELY., 10µF / 16V			
		08S65128F35	CP., 100pF		1	<u> </u>
		08S35374W01	CP., 0.1μF	Cana	oitoro	
		08S82122F59	CP., 820pF	Capa	123S75372W02	ELY., 100µF / 10V
	00,10	00002122103	51., <b>620p</b> i		23S75372W02	ELY., 10µF / 16V
I	C3501	08S65128F76	CP., 0.1μF	E1102	23S75372W04	ELY., 10με / 10V
			CP., 0.1μF ELY., 100μF / 16V	E1103	1	' '
	C3501	23S75372W08	ΕΕΤ., ΙΟΟΜΡ / 16V	1	23S75372W07	
				C1105	08S72783F31	CP., 470pF
	l			F4405	0007507011100	ELV 47:5 (05)
<u> </u>	L	I	(40)	E1105	23S75372W09	ELY., 4.7μF / 35V
	_		(All resistors are chip 1/10W±5%	C1106	08S72783F31	CP., 470pF
L	Resis		unless otherwise noted.)	E1106	23S75372W09	ELY., 4.7μF / 35V
		06S64995F85	22K ohm	C1107	08S72783F31	CP., 470pF
		06S64995F85	22K ohm	E1107	23S75372W15	ELY., 1μF / 50V
	1	06S64995F85	22K ohm	1		
	1	06S64996F01	91K ohm	C1108	08\$72783F31	CP., 470pF
	R3118	06S64995F95	56K ohm	E1108	23S75372W04	ELY., 10μF / 16V
		1		C1109	08\$53332F48	CP., 0.012μF
	R3119	06S64995F32	130 ohm	C1110	08S53332F48	CP., 0.012μF
	R3507	06S70072F41	330 ohm 1/4W	C1111	08S65128F35	CP., 100pF
	R3508	06S70072F41	330 ohm 1/4W			
	R3509	06S64995F77	10K ohm	C1112	08S35374W01	CP., 0.1μF

NOTE: O: For TDA-7556R Model Only, D: For TDA-7550R Model Only, Others: Common.

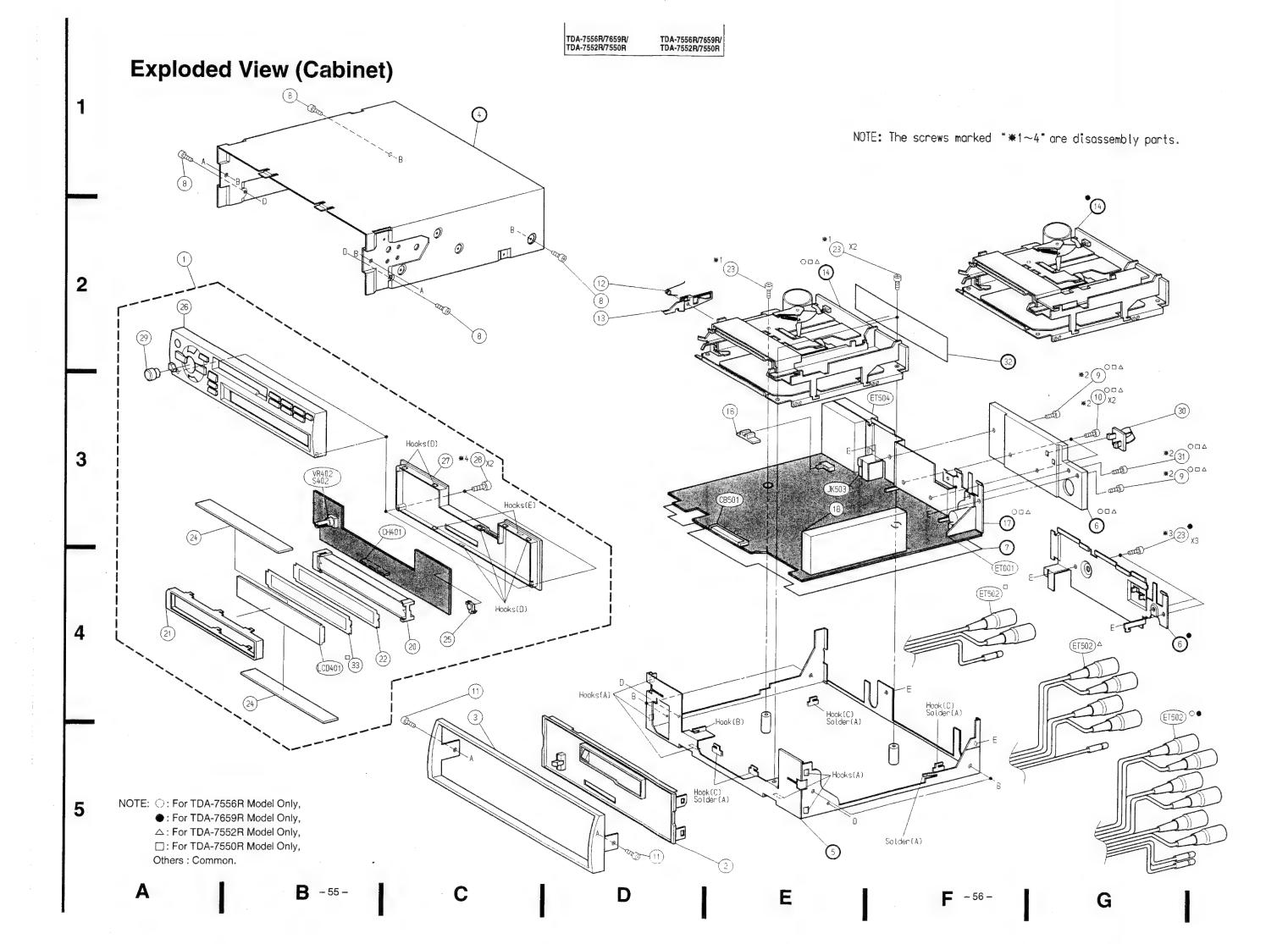
Symbol	Part No.	Description		mbol	Part No.	Description
No.			4	No.		<u> </u>
	08S82122F59	CP., 820pF	H	•	**	
	08S65128F76	CP., 0.1μF	۱Ь	Capac	08T35389W09	PF., 470pF
E1501	23S75372W08	ELY., 100μF / 16V	11			
			11		23\$75372W02	
					08T35389W09	PF., 470pF
			] [		23S75372W04	ELY., 10µF / 16V
****		(All resistors are chip 1/10W±5%		C3103	08T35389W09	PF., 470pF
Resis	tors	unless otherwise noted.)	11			
R1101	06S53330F32	130 ohm 1/8W		E3103	23S75372W02	ELY., 100μF / 10V
R1102	06S64996F15	360K ohm			08T35389W09	PF., 470pF
R1103	06S64995F80	13K ohm	11		23S75372W07	ELY., 47μF / 16V
R1104	06S53330F80	13K ohm 1/8W	11	E3105	23S75372W09	ELY., 4.7µF / 35V
R1105	06S53330F32	130 ohm 1/8W	11	E3106	23S75372W09	ELY., 4.7μF / 35V
			11			
R1106	06S64995F80	13K ohm	н	C3109	08T35122W02	PF., 0.012μF
R1107	06S64995F80	13K ohm	11	C3110	08T35122W02	PF., 0.012μF
R1108	06S64996F15	360K ohm	11	1		
R1109	06S53330F29	100 ohm 1/8W				
R1110	06S53330F65	3.3K ohm 1/8W				
111110	00000000		11			
R1111	06S53330F65	3.3K ohm 1/8W	11		į.	
	06S53330F85	22K ohm 1/8W	11		J	(All resistors are chip1/8W±5%
R1112	06S53330F85	22K ohm 1/8W	Ш	Resis	tore	unless otherwise noted.)
R1113		22K ohm		IR3101	06S53330F32	130 ohm
R1116	06S64995F85	91K ohm	Ш	R3102	06S64996F12	270K ohm 1/10W
R1117	06S64996F01	917 00011	11	R3103	06S64995F79	12K ohm 1/10W
		SCV ohro	Ш	R3104	06S64995F80	13K ohm 1/10W
R1118	06S64995F95	56K ohm	Н	R3105	06S53330F32	130 ohm
R1119	06S64995F32	130 ohm	- 11	100	000000001 02	100 01111
R1507		330 ohm 1/4W	- 11	R3106	06S64995F80	13K ohm 1/10W
R1508	06S70072F41	330 ohm 1/4W	Ш	R3107	06S64995F79	12K ohm 1/10W
R1509	06S64995F77	10K ohm	11		06S64996F12	270K ohm 1/10W
			-	R3108		100 ohm
R1510	06S70072F60	2K ohm 1/4W	ш	R3109	06S53330F29	
R1511	06S70072F60	2K ohm 1/4W	Ш	R3110	06S53330F65	3.3K ohm
R1512	06S53331F01	91K ohm 1/8W	- 11			0.014 - 1
R1513	06S53331F01	91K ohm 1/8W	Ш	R3111	06S53330F65	3.3K ohm
R1514	06S70072F53	1K ohm 1/4W	ш	R3112	06S53330F85	22K ohm
1			Ш	R3113	06S53330F85	22K ohm
R1515	06S81094F09	M.F., 4.7 ohm 1/2W	- 11			
1			- 11			
İ						1
1				<u> </u>		
1			IJĹ		ellaneous	
					09T75038W16	
GR	Audio P.C.Bo	ard ( •)			09T75039W16	16P Connector
<u> </u>					09T55211W01	Antenna Receptacle
IC.				ET502	01T85236W01	Assy., RCA Connector
	1 51T64606F02	TA7705F	71			(REAR OUT/FRONT OUT/SUB-W/Audio
						Interrupt In/Remote Turn-On)
			- 11 •	ET502	01T85236W01	Assy., RCA Connector
						(REAR OUT/FRONT OUT/SUB-W/Audio
Dioc	te.					Interrupt In/Remote Turn-On)
	48T81063F01	CP., MA159	71			
-5.5			1	∑ ET502	01T85236W02	Assy., RCA Connector (REAR OUT/
1						F-OUT/NFP/Remote Turn-On)
			11			
		7555B Model Only A: For TD			101	

NOTE: O: For TDA-7556R Model Only, D: For TDA-7659R Model Only, Others: Common.

	ymbol No.	Part No.	Description	Symbol No.	Part No.	Description
	ET502	01T85236W03	Assy., RCA Connector	110.		
_			(REAR OUT/Remote Turn-On)			
0	ET504	01T75292W04	Assy., ISO Connector (15A)			
	ET504	01T75292W03	Assy., ISO Connector (7.5A)			
		01T75292W04	Assy., ISO Connector (15A)	i		
	ET504	01T75292W04	Assy., ISO Connector (15A)			
		•				
		88T75612W02	Head			
		88T85509W01	Head 			
		88T75612W02	Head			
	E .	88T75612W02	Head			
1	JK503	09T55071W11	Ai-NET Connector			
	LCD401	65T85084W01	LCD Display			
		65T85254W01	LCD Display		i	
		65T85084W02	LCD Display			
	LCD401	65T85084W03	LCD Display			
		01V74500W16	Assy., Main Motor (13.2V-55mA)			
Ĭ						
		01V84200W63	Assy., Main Motor (6V-90mA)			·
Δ	M1501	01V74500W16	Assy., Main Motor (13.2V-55mA)			
	M1501	01V74500W16	Assy., Main Motor (13.2V-55mA)			
		01V74500W23	Assy., Sub Motor (7V-370mA)			
	PT1501	51T63433F03	Sensor, Photo ON2170-R2			
Ŀ	PT1502	51T63433F03	Sensor, Photo ON2170-R2			
	S1501	40T15222W01	Switch, Detector (PACK IN)			
	S1502	40T15382W02	Switch, Detector (PAUSE)			
	S1503	40T15382W02	Switch, Detector (MODE)	l .		
	S1504	40T15382W02	Switch, Detector (METAL)			
		40T45670W05	Rotary Encoder Volume			
	S402 J		(AUDIO CONTROL/MODE • LOUD)	1		
	1					
	l					
	l					
	1				1	
			·			
	1					
	1					

NOTE: ○: For TDA-7556R Model Only, □: For TDA-7550R Model Only, Others: Common. △: For TDA-7552R Model Only,

# **MEMO**



### **Cabinet Assembly Parts List**

					NO	)TE:	No pa	arts number on	parts list are not supplied.
Syr	nbol	Index	Part No.	Description	Sy	mbol	Index	Part No.	Description
	о.					Ю.			
0	1	2-A	01V83100W28	Assy., Nose Unit	Δ	31	3-G	03S44205G61	Screw, Pan (M2.6X10)
•	1	2-A	01V83100W66	Assy., Nose Unit		31	3-G	03S44205G61	Screw, Pan (M2.6X10)
Δ	1	2-A	01V83100W57	Assy., Nose Unit		33	4-B	26A80519W02	Reflector, Sheet
	1	2-A	01V83100W61	Assy., Nose Unit		1			
0	2	5-E	13C70374W04	Assy., Front Escutcheon			1		
Ŭ					1		1		
•	2	5-E	13C70374W05	Assy., Front Escutcheon					
Δ	2	5-E	13C70374W04	Assy., Front Escutcheon			1		
	2	5-E	13C70374W04	Assy., Front Escutcheon			1		
	3	1	33C00544K01	Assy., Face Plate		1	1		
1	or	ı	33C81778W01	Assy., Face Plate	1	1	1		
	, .	• •		,			1		
	8		03S38013W24	Screw, Pan (M2.6X6)			1		
	9	2.6	03S44205G33	Screw, Pan (M2.6X8)		1	1		
0	9		03S44205G33	Screw, Pan (M2.6X8)	ı		1		ì
	9		03S44205G33	Screw, Pan (M2.6X8)		1	1		
					1				
0	10	3-0	03\$38013W02	Screw, Pan (M2.6X14)	1				
			000000101100	0 Para (40 0V44)	1				
Δ	10	1	03S38013W02	Screw, Pan (M2.6X14)	1				
	10	3-G	03S38013W02	Screw, Pan (M2.6X14)	1				
	11		03S38013W13	Screw, Bind (M2.6X6)					
	12		41A20424W01	Spring, Door	1	1	1		
	13	2-D	45C61079W01	Lever, Door					
					1				
	16	3-E	36A70327W01	Knob, Slide	1				
	18	3-E	77B60578W01	FM/MW/LW Tuner Unit, MB4R3010	1				1
				(FE001)					
	20	4-C	15C00540K01	Assy., Case, LCD		1			
	21	4-A	15B00536K01	Cover, LCD		1	1		
0	22	4-C	26A80519W03	Reflector, Sheet		ı			
						1	1		
	22	4-C	26A80519W03	Reflector, Sheet		1	1		
Δ	22	4-C	26A80519W03	Reflector, Sheet	1		1	1	
	22	4-C	26A80519W01	Reflector, Sheet		1			1
0	23		03S44205G29	Screw, Pan (M2.6X6)		1			1
	23		03S44205G07	Screw, Pan (M2.6X5)					1
ľ									1
Δ	23		03S44205G29	Screw, Pan (M2.6X6)					
	23		03S44205G29	Screw, Pan (M2.6X6)	1				
	24		75T85247W01	Rubber, Electric	1				
	25	4-C	15A80548W01	Cover, LED	1				
^	26		13D80502W01	Assy., Nosepiece	1				1
0		l - ··		,				1	
	26	2-4	13D80502W09	Assy., Nosepiece	1				
1.	26		13D80502W07	Assy., Nosepiece	1				
	26		13D80502W08	Assy., Nosepiece					
	27		13D80502W08	Nose, Bottom					
	28	1	03S71677F56	Screw, Pan (M1.7X12)		1	1	1	
	۵۵ ا	3-0	033/10///50	Colon, Fall (MIL/AIE)					
	20		26D00E47W04	Knob Betani (VOLIME)					
	29	1	36B80547W01	Knob, Rotary (VOLUME)					
	30		15A70387W01	Holder, Antenna					
0	31	3-G	03S44205G61	Screw, Pan (M2.6X10)					
		i		1	1	1	1		

NOTE : ○: For TDA-7556R Model Only, •: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

: For TDA-7550R Model Only, Others: Common.

# **Disassembly Instructions**

#### 1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P81402W53).

#### 2. Removal of Front Escutcheon

(1) After removal of Face Plate and Top Cover, remove the Hooks (A). ......Hooks (A) (4-D, 5-E)

#### 3. Removal of Cassette Deck

- (2) Remove the Hook (B). ......Hook (B) (5-E)
- (3) Disconnect the connector from Main P.C. Board.

#### 4. Removal of Main P.C. Board (TDA-7556R/7552R/7550R Model Only)

- (1) After removal of Cassette Deck, remove five screws No. 9, 10, 31, ......Screws No. 9, 10, 31 (※2) (3-G) and remove the Heat Sink.
- (3) Main P.C. Board with Bracket IC can be removed completely.

#### 5. Removal of Main P.C. Board (TDA-7659R Model Only)

- (3) Main P.C. Board with Bracket Rear can be removed completely.

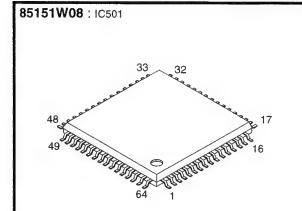
#### 6. Removal of Front P.C. Board

- (1) After removal of Nose Unit, remove the Rotary Knob and two screws No. 28. ......Screws No. 28 ( \*4) (3-C)

NOTE: For the screws No., Hooks, and Solder, refer to the Exploded View (Cabinet).

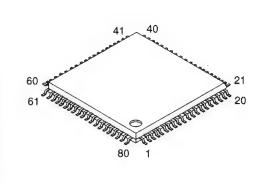
# **Semi - Conductor Lead Identifications**

NOTE: For the parts not mentioned, refer to the Schematic Diagram.



PIN NO.		CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0	PIN NO.		CODE ADDRESS	1/0
1	0	NFP EV DATA	0	20	PACK IN	1	43	GND		-
1	40	NC	-	21	REV. DET	. 1	44	NC		-
2	NOSE	PWR	0	22	MODE SW	1	45	GND		-
3	ΟΦΔ	BUZZER	0	23	FOR DET	1	46	GND		-
,		NC	-	24	GND	-	47	Ai-NET	IN/OUT	T
4	DTS ST	ART	0	25	PAUSE SW	. 1	48	0	ININT	T
5	DTSM	JTE	1	26	MUTE	0	48	ΔΟ	PULL-DOWN	-
6	DTS CE		0	27	NFP-1	0	49	MODEL		T
7	ALARM		0	28	NFP-2	0	50	ENCODER 1		ı
8	0	NFP EV CE	0	29	EV-DATA	1/0	51	ENCOD	ER2	T
	Δロ	NC	-	30	EV-CLK	0	52	GND		-
9	GND		-	31	PWR IC	0	53	GND	GND	
10	DOLBY	В	0	32	PWR ON	0	54	NOSE-DET		T
11	004	DOLBY C	0	33	NC	-	55	VDD		-
.,		NC	-	34	BUS OUT	0	56	VDD		-
12	L.O. FA	ST	0	35	RESET	ı	57	LCD DC	)	T
13	FOR/RI	V	0	36	REMOCON	1	58	LCD DI		0
14	O. MOT	OR	0	37	BUS IN	ı	59	LCD CL	к	0
15	R-IN		0	38	ACC DET	ı	60	LCD CE		0
16	F-IN		0	39	BAT DET	ı	61	LCD RS	т	0
17	MTR FAST		1	40	V <sub>DD</sub>	-	62	DTS ST	s	ī
18	M.S. D	ET	1	41	X2	0	63	DTS CM	ND	0
19	METAL		1	42	X1	1	64	DTS CL	ĸ	0





PIN NO.	ADDRESS	1/0	PIN NO.	ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0
1	LW	0	21	NC		41	NC	-	61	RDS CLK	1
2	LO/DX	0	22	NC	-	42	NC	-	62	RDS DATA	ī
3	MONO	0	23	NC	-	43	NC	-	63	DTS CE	1
4	AVSS	-	24	NC	-	44	NC	-	64	NC	-
5	LPF SW	0	25	NC	-	45	NC	-	65	NC	
6	IF MUTE	0	26	NC	-	46	NC	-	66	NC	-
7	AV <sub>REF</sub> 1	-	27	NC	-	47	NC	-	67	50K REF	0
8	RXD	1	28	NC	-	48	NC	-	68	V <sub>DD</sub>	-
9	TXD	0	29	NC	-	49	NC	-	69	X2	-
10	SYNC	0	30	NC	-	50	NC	-	70	X1	-
11	PLL CLK	0	31	NC	-	51	NC	-	71	GND	-
12	PLL DATA	0	32	NC	-	52	NC	-	72	NC	-
13	PLL CE	0	33	GND	-	53	NC	-	73	PLL DATA I	ī
14	DTS MUTE	0	34	NC	-	54	NC	-	74	AVDO	-
15	DTS START	1	35	NC	_	55	NC		75	AV <sub>REF</sub> 0	1
16	DTS CMD	1	36	NC	-	56	NC	_	76	S.METER	1
17	DTSSTS	0	37	NC	-	57	NC	_	77	A/I	ı
18	DTS CLK	1	38	NC	-	58	FM/ĀM	0	78	M.P	1
19	NC	$\overline{}$	39	NC .	-	59	AUDIO IN	ī	79	ST	1
20	NC	_	40	NC	_	60	RESET	1	80	SD	· 1

NOTE: ○: For TDA-7556R Model Only, ●: For TDA-7659R Model Only, △: For TDA-7552R Model Only,

☐: For TDA-7550R Model Only, Others : Common.

# **MEMO**

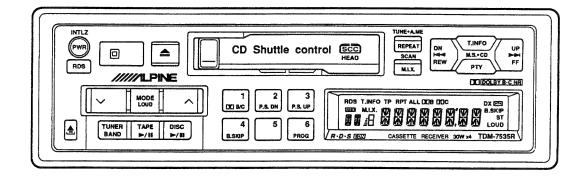




# FM/MW/LW/RDS Cassette Receiver

#### CD Shuttle Controller

● For the cassette deck mechanism parts (GR75H110/120) of this model, refer to the Service Manual • GR/GR-Y Series (68P20504W07),  $\neq 293$ 



# -Contents -

Specifications	3 to 4
In Case of Difficulty	4 to 5
Connections	5 to 6
Basic Operation	7
Radio Operation	8 to 9
Cassette Player Operation	9 to 10
CD Shuttle Operation	11
RDS (Radio Data System)	12 to 14
Disassembly Instructions	15
Adjustment Procedures	16 to 18
Adjustment Locations	19
Description of IC Terminal	20 to 22
LCD Display	23
Block Diagram	24
Tuner Schematic Diagram	25
Parts Layout on P.C. Boards and Wiring Diagram (1/2)	
Parts Layout on P.C. Boards and Wiring Diagram (2/2)	
Schematic Diagram (1/3)	33 to 35
Schematic Diagram (2/3)	
Schematic Diagram (3/3)	39 to 41
Electrical Parts List	42 to 50
Exploded View (Cabinet)	51 to 52
Cabinet Assembly Parts List	53
Packing Assembly Parts List	54
Packing Method View	54
Semi-Conductor Lead Identifications	55
Spare Schematic Diagram Inserted.	

# **Specifications**

Stereo Separation (1kHz, at 98.1MHz)   20dE	• • • • • • • • • • • • • • • • • • • •	
Frequency Range	FM RADIO	
Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz) 17.2dB 3-dB Limiting Sensitivity (at 98.1MHz) 19.2dB S/N Ratio (Stereo, at 98.1MHz) 56dd Image Rejection (at 106.1MHz) 56dd Irage Rejection (at 106.1MHz) 60dd IF Rejection (at 90.1MHz) 56dd Irage Rejection (at 90.1MHz) 60dd IF Rejection (at 90.1MHz) 77.2dB 100Hz 109.3dB 109	Intermediate Frequency	10.7±0.1MHz
3dB Limiting Sensitivity (at 98.1MHz) 19.2dB S/N Ratio (Stereo, at 98.1MHz) 56dc Image Rejection (at 10.6.1MHz) 40dc IF Rejection (at 90.1MHz) 60dc IF Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 1.404kHz) 75dc Image Rejection (at 90.1MHz) 75dc Image Rejection (at 20.1MHz) 75dc Imag	Frequency Range	87.5~108MHz
S/N Ratio (Stereo, at 98.1MHz)       56dE         Image Rejection (at 106.1MHz)       40dE         IF Rejection (at 90.1MHz)       60dE         Distortion (Input 60dB μ, at 98.1MHz)       1%         Frequency Response (Ref. 400Hz, at 98.1MHz)       100Hz: 0±3dE         Stereo Separation (1kHz, at 98.1MHz)       20dE         PS Sensitivity (at 98.1MHz)       36.2dB         MW RADIO       36.2dB         Intermediate Frequency       450kHz         Frequency Range       531~1,602kHz         Usable Sensitivity (20dB S/N, at 999kHz)       35dE         S/N Ratio (at 999kHz)       44dE         Image Rejection (at 1,404kHz)       50dE         IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       10Hz: 3±4dE         LW RADIO       10Hz - 3±4dE         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         S/N Ratio (at 216kHz)       40dE         Image Rejection (at 270kHz)       40dE         Image Rejection (at 270kHz)       40dE         Image Rejection (at 126kHz)       50dE         Image Rejection (at 216kHz)       1.5%         Image Rejection (at 126kHz)	Usable Sensitivity (Mono, 30dB S/N, at 98.1MHz)	17.2dBi
Image Rejection (at 106.1MHz)         40dE           IF Rejection (at 90.1MHz)         60dE           Distortion (Input 60dB µ, at 98.1MHz)         10dE           Frequency Response (Ref. 400Hz, at 98.1MHz)         100Hz: 0±3dE           Stereo Separation (1kHz, at 98.1MHz)         20dE           PS Sensitivity (at 98.1MHz)         36.2dB           TP Sensitivity (at 98.1MHz)         36.2dB           MW RADIO         531∼1,602kHz           Intermediate Frequency         450kHz           Frequency Range         531∼1,602kHz           Usable Sensitivity (20dB S/N, at 999kHz)         35dE           S/N Ratio (at 999kHz)         4ddE           Image Rejection (at 1,404kHz)         50dE           IF Rejection (at 603kHz)         60dE           Distortion (at 999kHz)         1.5%           Frequency Response (Ref. 400Hz, at 999kHz)         100Hz: -3±4dE           LW RADIO         10ntermediate Frequency         450kHz           Intermediate Frequency         450kHz           Frequency Range         153~281kHz           Usable Sensitivity (20dB S/N, at 216kHz)         42dE           Intermediate Frequency         450kHz           Frequency Range         153~281kHz           Usable Sensitivity (20dB S/N, at 216kHz) <td< td=""><td>-3dB Limiting Sensitivity (at 98.1MHz)</td><td> 19.2dBf</td></td<>	-3dB Limiting Sensitivity (at 98.1MHz)	19.2dBf
IF Rejection (at 90.1MHz)       60dE         Distortion (Input 60dB μ, at 98.1MHz)       1%         Frequency Response (Ref. 400Hz, at 98.1MHz)       100Hz: 0±34E         Stereo Separation (1kHz, at 98.1MHz)       20dE         PS Sensitivity (at 98.1MHz)       36.2dB         TP Sensitivity (at 98.1MHz)       36.2dB         MW RADIO       450kHz         Intermediate Frequency       450kHz         Frequency Range       531~1,60zkHz         Usable Sensitivity (20dB S/N, at 999kHz)       35dE         S/N Ratio (at 999kHz)       44dE         Image Rejection (at 1,404kHz)       50dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       1.5%         LW RADIO       1.0Hz = -3 ± 4dE         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       42dE         Image Rejection (at 276kHz)       40dE         IF Rejection (at 16kHz)       53         IF Rejection (at 16kHz)       1.5%         IF Rejection (at 216kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       1.5%         Frequency Res	,	
Distortion (Input 60dB $_{\mu}$ , at 98.1MHz)       1%         Frequency Response (Ref. 400Hz, at 98.1MHz)       100Hz: $0\pm3$ dE         Stereo Separation (1kHz, at 98.1MHz)       20dE         PS Sensitivity (at 98.1MHz)       36.2dB         MW RADIO       36.2dB         Intermediate Frequency       450kHz         Frequency Range       531 $\sim$ 1,602kHz         Usable Sensitivity (20dB S/N, at 999kHz)       35dE         S/N Ratio (at 999kHz)       44dE         Image Rejection (at 603kHz)       50dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz: $-3\pm4$ dE         LW RADIO       1         Intermediate Frequency       450kHz         Frequency Range       153 $-2$ 81kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         If Rejection (at 162kHz)       50dE         Distortion (at 162kHz)       50dE         Distortion (at 162kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       1.5%	Image Rejection (at 106.1MHz)	40dB
Frequency Response (Ref. 400Hz, at 98.1MHz)	IF Rejection (at 90.1MHz)	60dB
Stereo Separation (1kHz, at 98.1MHz)   20dE   PS Sensitivity (at 98.1MHz)   36.2dB   TP Sensitivity (at 98.1MHz)   36.2dB   TP Sensitivity (at 98.1MHz)   36.2dB   MW RADIO   Intermediate Frequency   450kHz   Frequency Range   531~1,602kHz   Usable Sensitivity (20dB S/N, at 999kHz)   35dE   S/N Ratio (at 999kHz)   44dE   Image Rejection (at 1,404kHz)   50dE   Image Rejection (at 1,404kHz)   50dE   Image Rejection (at 999kHz)   1.5%   Frequency Response (Ref. 400Hz, at 999kHz)   100Hz: -3±4dE   4kHz: -12+6, -12dE   LW RADIO   Intermediate Frequency   450kHz   Frequency Range   153~281kHz   Usable Sensitivity (20dB S/N, at 216kHz)   41dE   S/N Ratio (at 216kHz)   42dE   Image Rejection (at 270kHz)   40dE   Image Rejection (at 270kHz)   40dE   Image Rejection (at 270kHz)   40dE   Image Rejection (at 270kHz)   50dE   Image Rejection (at 270kHz)   50dE   Image Rejection (at 270kHz)   50dE   Image Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%   1.5%   Frequency Response (Ref. 400Hz, at 216kHz)   1.5%	Distortion (Input 60dB $\mu$ , at 98.1MHz)	
Stereo Separation (1kHz, at 98.1MHz)   20dE	Frequency Response (Ref. 400Hz, at 98.1MHz)	100Hz : 0±3dB
PS Sensitivity (at 98.1MHz) 36.2dB TP Sensitivity (at 98.1MHz) 36.2dB  MW RADIO Intermediate Frequency 450kHz Frequency Range 531~1,602kHz Usable Sensitivity (20dB S/N, at 999kHz) 35dE S/N Ratio (at 999kHz) 44dE Image Rejection (at 1,404kHz) 50dE IF Rejection (at 603kHz) 60dE Distortion (at 999kHz) 1.5% Frequency Response (Ref. 400Hz, at 999kHz) 100Hz : -3 ± 4dE  LW RADIO Intermediate Frequency 450kHz Usable Sensitivity (20dB S/N, at 216kHz) 41dE Usable Sensitivity (20dB S/N, at 216kHz) 50dE IF Rejection (at 1,404kHz) 100Hz : -3 ± 4dE  LW RADIO Intermediate Frequency 450kHz Usable Sensitivity (20dB S/N, at 216kHz) 41dE Usable Sensitivity (20dB S/N, at 216kHz) 50dE IF Rejection (at 270kHz) 42dE Image Rejection (at 270kHz) 50dE IF Rejection (at 162kHz) 50dE Distortion (at 162kHz) 50dE Distortion (at 216kHz) 1.5% Frequency Response (Ref. 400Hz, at 216kHz) 1.5% Frequency Response (Ref.		10kHz : -12±3dB
TP Sensitivity (at 98.1MHz)       36.2dB         MW RADIO         Intermediate Frequency       450kHz         Frequency Range       531~1,602kHz         Usable Sensitivity (20dB S/N, at 999kHz)       35de         S/N Ratio (at 999kHz)       44de         Image Rejection (at 1,404kHz)       50de         IF Rejection (at 603kHz)       60de         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz: -3±4dE         LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41de         S/N Ratio (at 216kHz)       42de         Image Rejection (at 270kHz)       40de         IF Rejection (at 162kHz)       50de         Distortion (at 216kHz)       50de         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         TAPE (JIS, WRMS/MTT-111N)       4.76cm/sec.+3 to -1%	Stereo Separation (1kHz, at 98.1MHz)	20dB
MW RADIO       450kHz         Intermediate Frequency       450kHz         Frequency Range       531∼1,602kHz         Usable Sensitivity (20dB S/N, at 999kHz)       35dE         S/N Ratio (at 999kHz)       44dE         Image Rejection (at 1,404kHz)       50dE         IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz: -3±4dE         LW RADIO       1         Intermediate Frequency       450kHz         Frequency Range       153∼281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         TAPE PLAYER       40ww & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	PS Sensitivity (at 98.1MHz)	36.2dBf
Intermediate Frequency	TP Sensitivity (at 98.1MHz)	
Frequency Range	MW RADIO	
Frequency Range	Intermediate Frequency	450kHz
S/N Ratio (at 999kHz)       44dE         Image Rejection (at 1,404kHz)       50dE         IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz:-3±4dE         LW RADIO       4kHz:-12+6, -12dE         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER       4kHz:-12+6, -12dE         TAPE PLAYER       4.76cm/sec.+3 to -1%         Wow & Flutter (JIS, WRMS/MTT-111N)       4.76cm/sec.+3 to -1%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	·	
S/N Ratio (at 999kHz)       44dE         Image Rejection (at 1,404kHz)       50dE         IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz:-3±4dE         LW RADIO       4kHz:-12+6, -12dE         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER       4kHz:-12+6, -12dE         TAPE PLAYER       4.76cm/sec.+3 to -1%         Wow & Flutter (JIS, WRMS/MTT-111N)       4.76cm/sec.+3 to -1%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	• • •	
Image Rejection (at 1,404kHz)       50dE         IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz:-3±4dE         4kHz:-12+6, -12dE         LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER       4kHz:-12+6, -12dE         TAPE PLAYER       4.76cm/sec.+3 to -1%         Wow & Flutter (JIS, WRMS/MTT-111N)       4.76cm/sec.+3 to -1%	• •	
IF Rejection (at 603kHz)       60dE         Distortion (at 999kHz)       1.5%         Frequency Response (Ref. 400Hz, at 999kHz)       100Hz:-3±4dE         4kHz:-12+6, -12dE         LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153 ~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER       4kHz:-12+6, -12dE         TAPE PLAYER       Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	,	
Frequency Response (Ref. 400Hz, at 999kHz)       100Hz: -3±4dE         4kHz: -12+6, -12dE         LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         4kHz: -12+6, -12dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	IF Rejection (at 603kHz)	60dB
LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER       4kHz:-12+6, -12dE         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Distortion (at 999kHz)	1.5%
LW RADIO         Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz:-3±4dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Frequency Response (Ref. 400Hz, at 999kHz)	100Hz:-3±4dB
Intermediate Frequency       450kHz         Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3 ± 4dE         4kHz: -12+6, -12dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%		4kHz : -12+6, -12dB
Frequency Range       153~281kHz         Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         TAPE PLAYER       4kHz: -12+6, -12dE         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	LW RADIO	
Usable Sensitivity (20dB S/N, at 216kHz)       41dE         S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         TAPE PLAYER       4kHz: -12+6, -12dE         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Intermediate Frequency	450kHz
S/N Ratio (at 216kHz)       42dE         Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         4kHz: -12+6, -12dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Frequency Range	153~281kHz
Image Rejection (at 270kHz)       40dE         IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         4kHz: -12+6, -12dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Usable Sensitivity (20dB S/N, at 216kHz)	41dB
IF Rejection (at 162kHz)       50dE         Distortion (at 216kHz)       1.5%         Frequency Response (Ref. 400Hz, at 216kHz)       100Hz: -3±4dE         4kHz: -12+6, -12dE         TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	S/N Ratio (at 216kHz)	42dB
Distortion (at 216kHz) 1.5%  Frequency Response (Ref. 400Hz, at 216kHz) 100Hz: -3±4dE  4kHz: -12+6, -12dE  TAPE PLAYER  Wow & Flutter (JIS, WRMS/MTT-111N) 0.2%  Tape Speed (MTT-111N) 4.76cm/sec.+3 to -1%	Image Rejection (at 270kHz)	40dB
TAPE PLAYER  Wow & Flutter (JIS, WRMS/MTT-111N)  Tape Speed (MTT-111N)  100Hz: -3 ± 4dE 4kHz: -12+6, -12dE  4kHz: -12+6, -12dE  4kHz: -12+6, -12dE		
### TAPE PLAYER  Wow & Flutter (JIS, WRMS/MTT-111N)  Tape Speed (MTT-111N)  4.76cm/sec.+3 to -1%	Distortion (at 216kHz)	1.5%
TAPE PLAYER         Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%	Frequency Response (Ref. 400Hz, at 216kHz)	100Hz : -3 ± 4dB
Wow & Flutter (JIS, WRMS/MTT-111N)       0.2%         Tape Speed (MTT-111N)       4.76cm/sec.+3 to -1%		4kHz : -12+6, -12dB
Tape Speed (MTT-111N) 4.76cm/sec.+3 to -1%	TAPE PLAYER	
	Wow & Flutter (JIS, WRMS/MTT-111N)	0.2%
S/N Ratio (MTT-212N) Dolby OFF : 52dE	Tape Speed (MTT-111N)	4.76cm/sec.+3 to -1%
	S/N Ratio (MTT-212N)	Dolby OFF : 52dB

DOLBY B NR : 60.5dB (□, △)
DOLBY C NR : 67dB (△)

Separation (MTT-141N) 35dB Crosstalk (MTT-121N) 45dB **GENERAL** Power Output/Impedance 11W/ch/4ohm ( ), | | 14W/ch/4ohm (△) 22IC's, 41Transistors, 27Diodes, 6Zener Diodes ( ) 22IC's, 51Transistors, 27Diodes, 7Zener Diodes (△) Dimensions (W $\times$ H $\times$ D) ..... Chassis : 178 $\times$ 50 $\times$ 155mm Nose: 169 × 45 × 22 mm Note: Due to Continuing product improvement, specifications and designs are subject to change without notice. ○ : For TDM-7531R Model Only, : For TDM-7532R Model Only, △: For TDM-7535R Model Only, Others: Common.

#### In Case of Difficulty

If you encounter a problem, please review the items in the following checklist. This	Englis
guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized Alpine dealer.	items in the following checklist. This ide will help you isolate the problem if the it is at fault. Otherwise, make sure the rest your system is properly connected or
uni of y	

	Initial Turn-on After Installation
Symptom/Symptôme/Sintoma	Cause and Solution
No function or display./Fonctions inopérantes ou pas d'affichage./La unidad no funciona ni hay visualización.	Car's ignition is off.  If connected following instructions, the unit will not operate with the car's ignition off.
	Improper power lead connections.     Check power lead connections.
	Blown fuse.     Check the fuse on the rear panel of the unit; replace with the proper value if necessary.

#### In Case of Difficulty

	Englis
	Radio Mode
Symptom/Symptôme/Sintoma	Cause and Solution
Unable to receive stations./Impossible de recevoir les stations./Es imposible recibir emisoras.	No antenna or open connection in cable.     Make sure the antenna is properly connected; replace the antenna or cable if necessary.
Unable to tune stations in the seek mode./ Impossible d'accorder les stations en mode de recherche automatique./Es imposible sintonizar emisoras en el modo de búsqueda.	You are in a weak signal area.  Make sure the tuner is in the DX mode.  If the area you are in is a primary signal area, the antenna may not be grounded and connected properly.  Check your antenna connections; make sure the antenna is properly grounded at its mounting location.  The antenna may not be the proper length.  Make sure the antenna is fully extended; if broken, replace the antenna with a new one.
Broadcast is noisy./Réception parasitée./La recepción es ruidosa.	The antenna is not the proper length. Extend the antenna fully: replace if if it is broken. The antenna is poorly grounded. Make sure the antenna is grounded properly at its mounting location.

	Tape Mode
Output sounds duil/Sortie de son atténuée./ El sonido se oye inestable.	The tape head needs cleaning. Clean the tape head. Incorrect Dolby NR in use. Check Dolby NR switch setting.

#### In Case of Difficulty

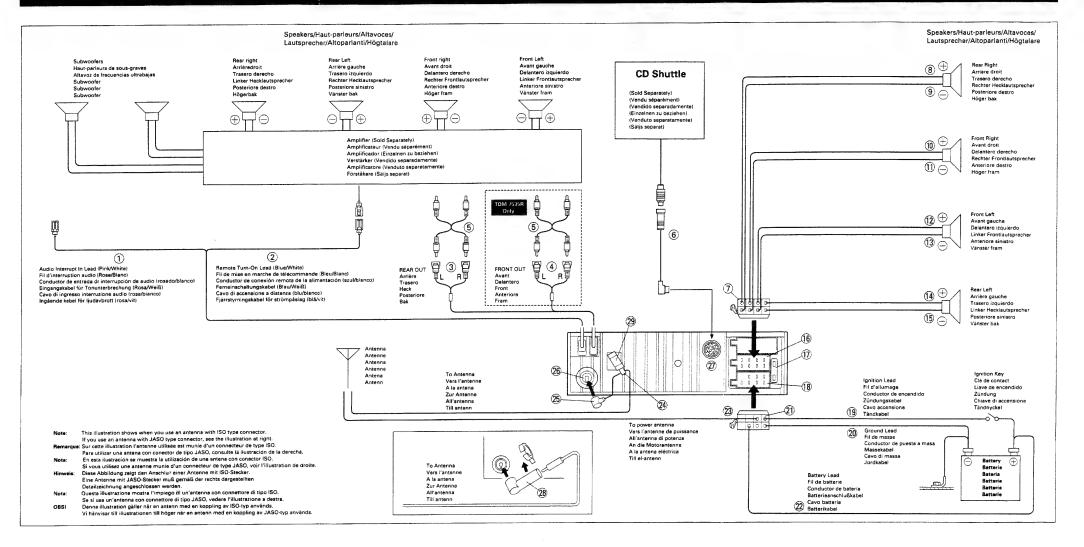
Eng	

	Eligion
	CD Shuttle Mode
Symptom/Symptôme/Sintoma	Cause and Solution
CD Shuttle not functioning./Le changeur CD ne fonctionne pas./El cambiador de discos compactos no funciona.	Out of operating temperature range +50°C (+120°F) for CD.     Allow the car's interior (or trunk) temperature to cool.
CD playback sound is wavering./Le son de lecture de CD est déformé./El sonido de reproducción de un disco compacto oscila.	Moisture condensation in the CD Module.     Allow enough time for the condensation to evaporate (about 1 hour).
Unable to fast forward or backward./Avance rapide ou inversion impossibles./El disco no avanza ni retrocede.	The CD has been damaged. Eject the CD and discard it; using a damaged CD in your unit can cause damage to the mechanism.  The CD has been damage to the mechanism.
Sound skips due to vibration./Pertes de son dues à des vibrations./El sonido salta debido a las vibraciones.	Improper mounting of the CD Shuttle.     Securely re-mount the CD Shuttle.     Disc is very dirty.     Clean the disc.     Disc has scratches.     Change the disc.
Sound skips without vibration./Pertes de son non dues à des vibrations./El sonido salta sin haber vibraciones.	Dirty or scratched disc.     Clean the disc; darnaged discs should be replaced.
Single (8 cm) disc does not play./Impossible de reproduire un CD de 8 cm./No es posible reproducir un disco sencillo (8 cm).	Single CD adaptor is not used.     Attach a single CD adaptor (recommended by Alpine) to the single disc and insert into the CD magazine.

#### English

	Indication for CD Shuttle
Indication/Indication/Indicación	Cause and Solution
н	Protective circuit is activated due to high temperature.     The indicator will disappear when the temperature returns to within opera- tion range.
ERROR-01	Malfunction in the CD Shuttle.     Consult your Alpine dealer.     Press the magazine eject button and pull out the magazine. Check the indication. Insert the magazine again. If the magazine cannot be pulled out, consult your Alpine dealer.
	Magazine ejection not possible.     Press the magazine eject button.     If the magazine does not eject, consult your Alpine dealer.
ERROR-02	A disc is left inside the CD Shuttle.     Press the EJECT button to activate the eject function. When the CD Shuttle finishes the eject function, insert an empty CD magazine into the CD Shuttle to receive the disc left inside the CD Shuttle.
NO MAGZN	No magazine is loaded into the CD Shuttle.     Insert a magazine.
NO DISC	No indicated disc.     Choose another disc.

#### Connections/Anschlüsse/Connexions/Collegamenti/Conexiones/Anslutningar



1 Audio Interrupt In Lead (Pink/White) (TDM-7535R only)
2 Remote Turn-On Lead (Blue/White)
Connect this lead to the remote turn-on lead of your amplifier or signal processor.
3 Rear Output RCA Connectors
RED is right and WHITE is left.
4 Front Output RCA Connectors (TDM-7535R only)
RED is right and WHITE is left.
5 RCA Extension Cable (Sold Separately)
DIN Extension Cable (Sold Separately)
NOTE:
If the DIN Extension cable supplied with the CD Shuttle does not have an "L" shaped connector, connection may be hindered at certain installation locations. In this case, purchase a 491002 Adaptor (sold separately).
7 ISO Connector (Speaker Output, Female)
8 Right Rear (+) Speaker Output, Female)
9 Right Front (+) Speaker Output Lead (Violet)
10 Right Front (-) Speaker Output Lead (Grey/Black)
11 Left Front (-) Speaker Output Lead (White)
12 Left Front (-) Speaker Output Lead (White)
13 Left Rear (-) Speaker Output Lead (Green)
15 Left Rear (-) Speaker Output Lead (Green)
16 Left Rear (-) Speaker Output Lead (Green)
17 Left Rear (-) Speaker Output Lead (Green)
18 Left Rear (-) Speaker Output Lead (Green)
19 Left Rear (-) Speaker Output Lead (Green)
10 Left Rear (-) Speaker Output Lead (Green)
10 Left Rear (-) Speaker Output Lead (Green)
10 Left Rear (-) Speaker Output Lead (Green)
11 Left Rear (-) Speaker Output Lead (Green)
12 Left Rear (-) Speaker Output Lead (Green)

(18) ISO Power Supply Connector (Male)

Switched Power Lead (Ignition) (Red)
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.

Ground Lead (Black)
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

ISO Power Supply Connector (Female)
Battery Lead (Yellow)
Connect this lead to the positive (+) post of the vehicle's battery.
Power Antenna Lead
When loaded with a power antenna, connect to the +B terminal of the power antenna.

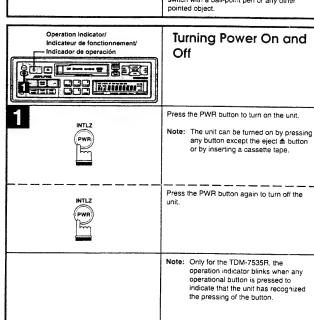
Hook (Small)
ISO Antenna Plug
Antenna Receptacle
DIN Connector
Connect this to the DIN connector on the CD Shuttle.

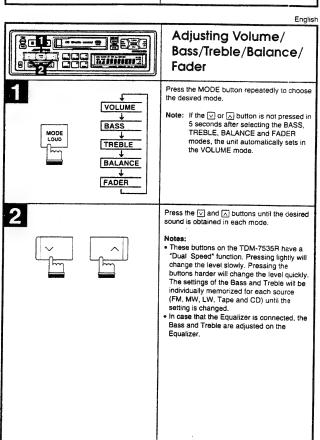
JASO/ISO Antenna Adaptor (Included)

Hook (Large)

#### **Basic Operation**

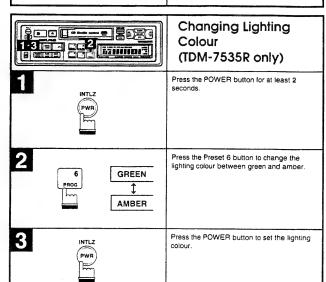
Initial System Start-Up When operating the unit for the first time after nstallation or after the vehicle's battery has been disconnected and reconnected, set the volume level to its minimum, then remove the detachable front panel. Press the Reset switch with a ball-point pen or any other



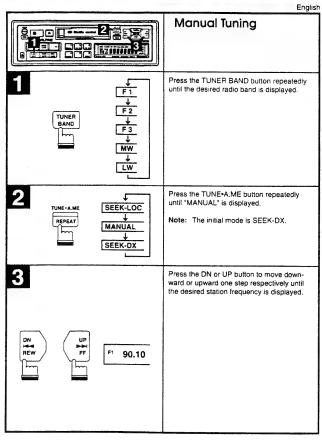


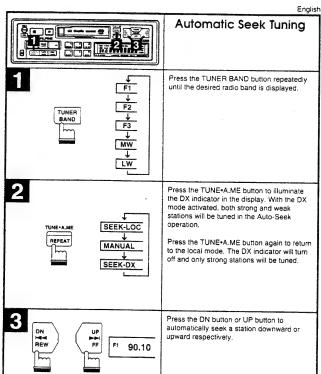
#### **Basic Operation**

Turning Loundness On/Off ğılı [----] BEG oudness introduces a special low- and highfrequency emphasis at low listening levels to compensate for the ear's decreased sensitive to bass and treble sound. Press the LOUD button for at least 2 seconds o activate or deactivate the loudness mode. MODE

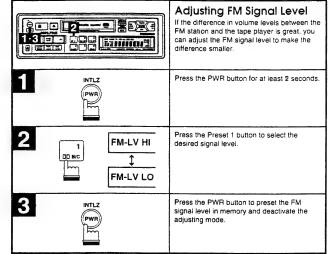


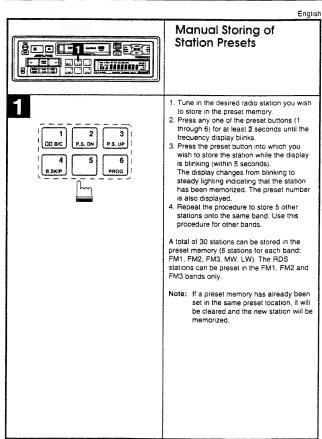
#### **Radio Operation**



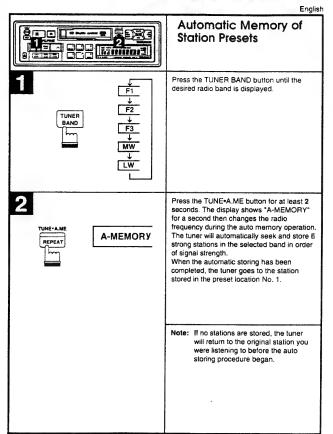


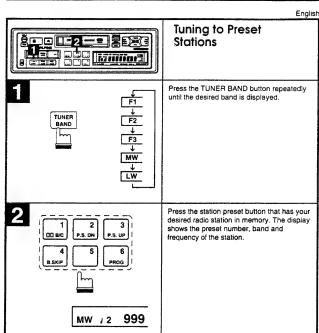
#### **Radio Operation**



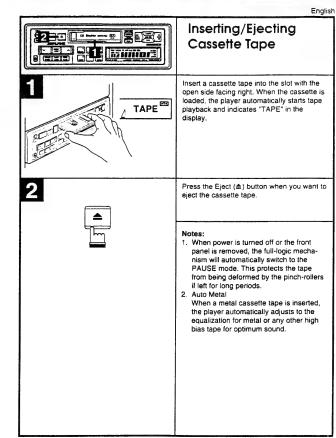


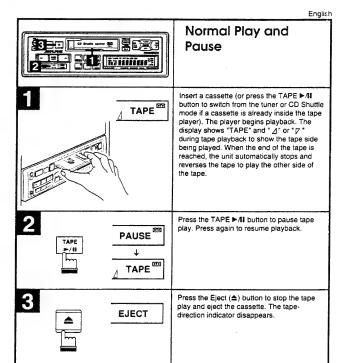
#### **Radio Operation**



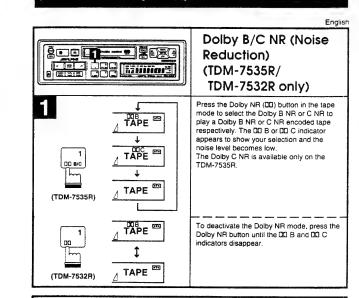


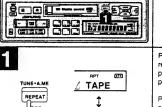
#### **Cassette Player Operation**





#### **Cassette Player Operation**





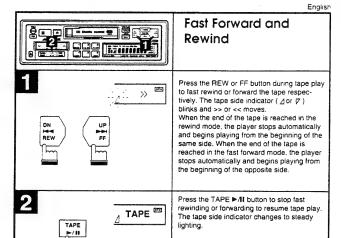
TAPE

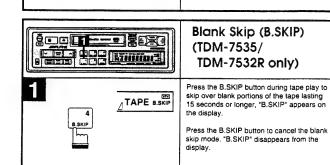
Repeat Play (TDM-7535R/ TDM-7532R only)

Press the REPEAT button to play back repeatedly the current programme being played. The RPT indicator appears and the programme will be played repeatedly.

Press the REPEAT button to stop the repeated.

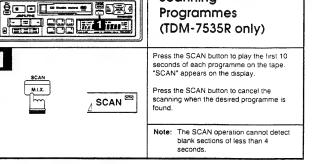
Press the REPEAT button to stop the repeat play. The RPT indicator disappears.



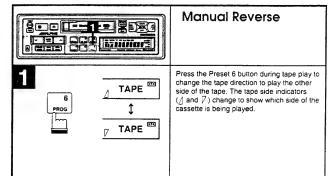


#### **Cassette Player Operation**

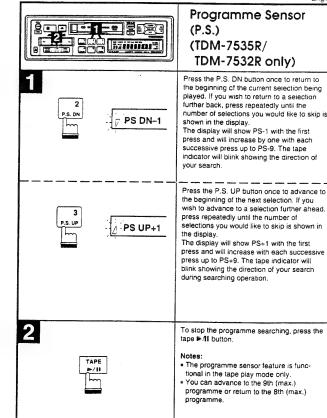




Scanning



Englist



-9-

#### **CD Shuttle Operation**

#### Controlling CD Shuttle (Optional)

If an optional Alpine 6-disc CD Shuttle is connected to the 8-pin DIN connector of the TDM-7535R/TDM-7532R/TDM-7531R, you can control the CD Shuttle using the TDM-7535R/TDM-7532R/TDM-7531R.

Notes: The controls on the TDM-7535R/ TDM-7532R/TDM-7531R for the CD operation are operative only when the CD Shuttle is interconnected with the TDM-7535R/TDM-7532R/ TDM-7531R.

DISC >/11 D3 T05 2'58

The display example shows when playing the Track 5 on the Disc 3.

Press the DISC ►/II button to activate the connected CD Shuttle.

The display shows the disc number and

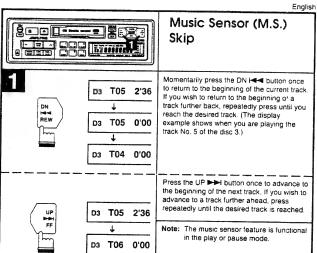
Press the Preset buttons to select the desired disc loaded in the CD Shuttle

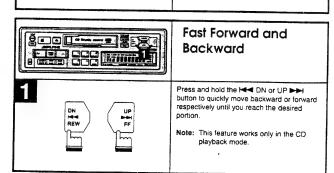
3 DISC >/II

1 2 3 P.S. DN P.S. UP

D3 TO5 PAU

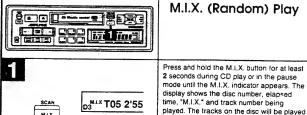
Press the DISC ►/II button to pause CD play. The display shows "PAU." To resume CD play, press again. The PAU indicator disappears.





#### **CD Shuttle Operation**

Repeat Play on Single Track or Entire Disc Press the REPEAT button to display "RPT" or "RPT ALL" to play back repeatedly the current track being played or the entire disc Note: Single track cannot be repeated RPT during M.I.X. play. RPT ALL



1

T05 2'55

M.I.X. (Random) Play

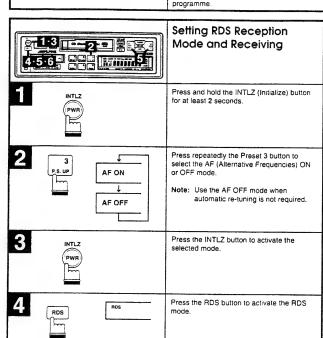
2 seconds during CD play or in the pause mode until the M.I.X. indicator appears. The display shows the disc number, elapsed time, "M.I.X." and track number being played. The tracks on the disc will be played ack in a random sequence. After all the tracks on the disc have been played back, the player loads the next disc and begins a random sequence play on the

Press and hold the M.I.X. button for at least 2 seconds again until the M.I.X. indicator disappears to cancel the M.I.X. play.

#### RDS (Radio Data System)

English

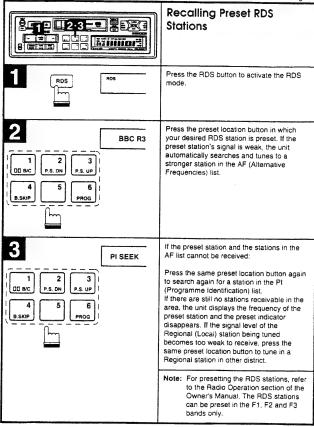
The RDS (Radio Data System) is a radio information system using the 57 kHz subcarrier of regular FM broadcast. The RDS allows you to receive a variety of information such as traffic information, station names, and to automatically re-tune to a stronger transmitter that is broadcasting the same programme.

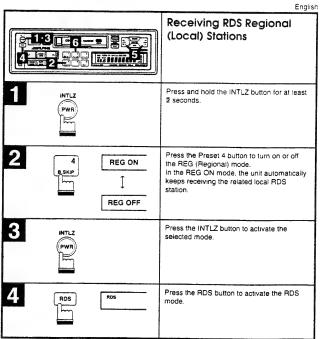


English 5 Press the DN or UP button to tune in the BBC R3 desired RDS station When the station signal being received DN H■■ REW has become weak: A. In the AF ON mode the unit automatically re-tunes to a stronger station that carries the same programme. B. In the AF OFF/AF ON mode
Press and hold the RDS button for at RDS AF SEEK least 2 seconds to have the unit automatically search for a stronger station in the AF (Alternative Frequencies) list. There is no AF station, the display shows SEEK END "SEEK END." Press the RDS button again to deactivate the RDS

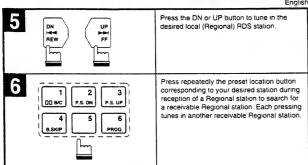
#### RDS (Radio Data System)

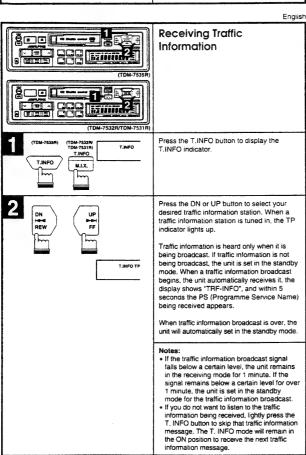
English





#### RDS (Radio Data System)





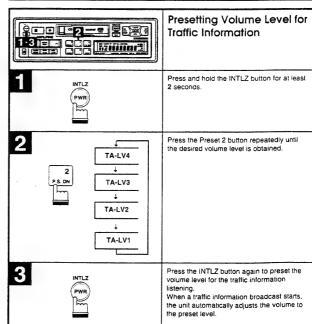
#### RDS (Radio Data System)

English **Receiving Traffic** Ř.⊡o∏-Information While Playing Casstte or Radio 113 Press the T.INFO button until the T.INFO T.INFO TINEO M.I.X. Press the DN and UP buttons to select a traffic information station if necessary. 2 F1 101.50 · When a traffic information broadcast starts. When a traffic information broadcast stant the unit automatically mutes the cassette tape or the regular FM broadcast.

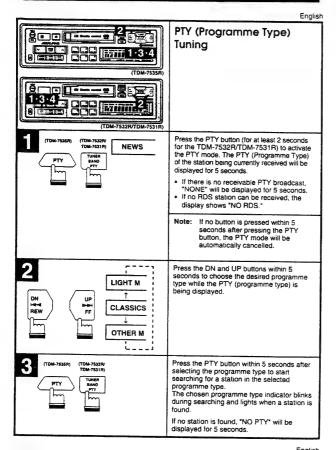
When the traffic information broadcast finishes, the unit automatically returns to the original source play before the traffic information broadcast began.

When traffic information stations When traffic information stations cannot be received:
In the tuner mode:
When the TP signal can no longer be received, an alarm will be sounded after 1 minute.
In the tape mode:
When the TP signal can no longer be received, the traffic information station of another frequency will be selected automatically automatically. The receiver is equipped with the EON (Enhanced Other Networks) function in order to keep track of additional alternative frequencies to the AF list. If the station being received does not broadcast the traffic information, the receiver automatically tunes in the related station that broadcasts the traffic information when it focus to the related station that broadcasts the traffic information when it focus. information when it occurs

T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.INFO
T.



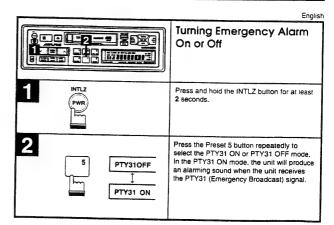
#### RDS (Radio Data System)



Press the PTY button (for at least 2 seconds for the TDM-7531R) to cancel the PTY mode.

#### RDS (Radio Data System)

English Priority PTY (Programme Type) (TDM-7535R ONLY) This function allows presetting of a programme type such as music category, news, etc. You can listen to a programme in the preset programme type as the unit automatically gives priority to the preset automatically gives priority to the preset programme type when it begins broadcasting, and interrupts the programme you are currently listening. This feature is functional when your unit is set to a mode other than the LW and MW. Press and hold the PTY button for 2 PRIO PTY PTY mode.
"PRIO PTY" is displayed for 2 seconds and then the program type for 5 seconds. The initial setting is "NEWS." MEWS Note: If no button is pressed within 5 seconds after pressing the PTY button, the PRIORITY PTY mode is automatically cancelled. 2 Press the DN or UP button within 5 seconds NEWS while "NEWS" is being displayed to choose a desired programme type. Then press and hold the PTY button for 2 seconds. The PRIORITY PTY function will activate. DN <del>I⊄</del>∢ REW BBC R3 3 Press and hold the PTY button for 2 seconds to activate the PRIORITY PTY To change the program category, perform the step 2.
To disable the PRIORITY PTY function, press the PTY button for less than 2 Note: In the PRIORITY PTY function, unlike in the T.INFO function, the volume does not increase during operation



## **Disassembly Instructions**

#### 1. Removal of Nose Unit

(1) Refer to the Owner's Manual (Part No. 68P61329W47).

#### 2. Removal of Front Escutcheon

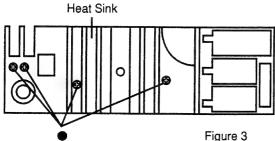
 After removal of Assy., Face Plate and Top Cover, remove the Hooks (a) as shown in Figure 1

#### 3. Removal of Cassette Deck

- (1) After removal of Front Escutcheon, remove three screws marked "○" and the Hook (b) as shown in Figure 2.
- (2) Disconnect one Connector from the Cassette Deck.

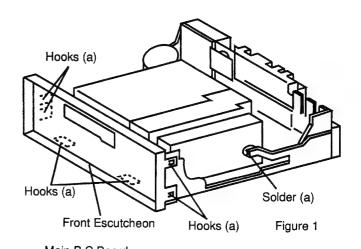
#### 4. Removal of Main P.C.Board

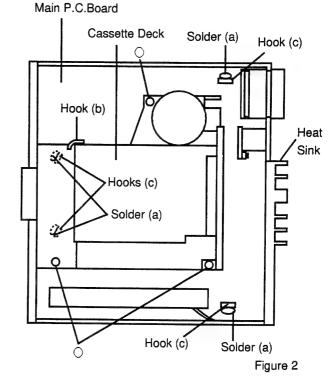
- Remove the four screws marked "●" as shown in Figure 3.
- (2) Remove the solder (a) and Hooks (c) as shown in Figure 1, 2.
- (3) Disconnect two Connectors from the Main P.C.Board.

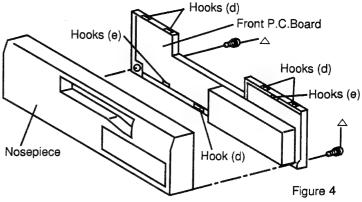


#### 5. Removal of Front P.C.Board

- (1) After removal of Nose Unit, remove two screws marked "△" and the Hooks (d) as shown in Figure 4.
- (2) Remove the Hooks (e) as shown in Figure 4.



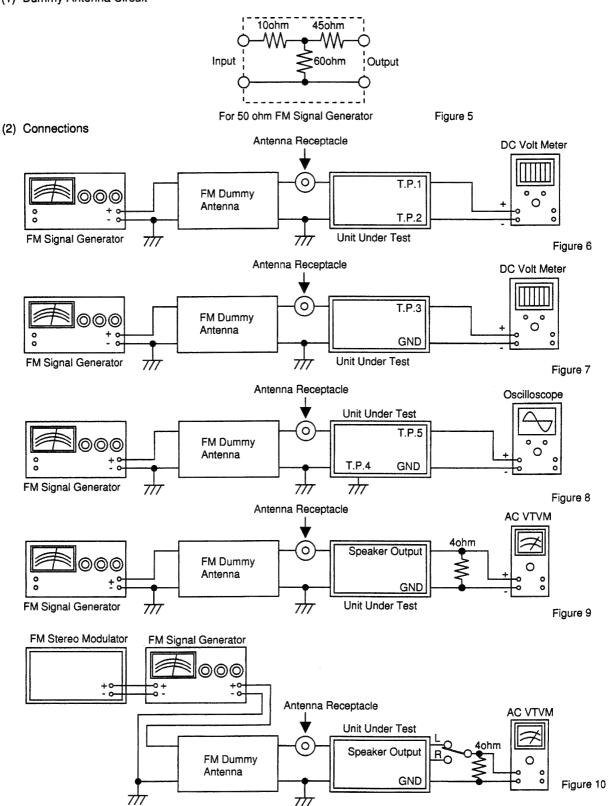




# **Adjustment Procedures**

#### 1. FM SECTION

(1) Dummy Antenna Circuit



# (3) Control Settings Power Switch ON Fader Control Center Position Balance Control Center Position Treble / Buss Control Center Position Band Switch FM Others OFF

#### (4) Adjustment Procedures

Step	Description	on	Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	IF Adjustment		Figure 6	98.1 MHz, 72dB (Mod. OFF)	98.1MHz	T.P.1 T.P.2	Adjust L2101 to 0 ±15mV.
2	Signal Meter Adjustment		Figure 7	98.1MHz, 46dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	T.P.3	Adjust VR2101 to 3.5 ±0.1V
3	Seek Stop Adjustment Figure 8			98.1MHz, 30dB (Mod. OFF)	98.1MHz	T.P.4 T.P.5	Adjust VR2104 for the waveform changing to maximum output.  Figure: Waveform of T.P.5 output.  MAX.  Stop the adjust VR2104 at this time.
4	4 Noise Level Adjustment (1) Figure 9 (2) Figure 9		Figure 9	98.1MHz, 72dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust MAIN VOLUME (S411 ( ○□), S422 ( ○□), S418 ( △), S428 ( △)) to obtain 2V output. This value is 0dB.
•			98.1MH, -19dB (Mod. 400Hz, Dev. 40kHz)	98.1MHz	Speaker Output	Adjust VR2105 to $-25 \pm 3 \text{dB}$ output at SG level minimum.	
5	Stereo Blend Adjustment (Lch)		Figure 10	98.1MHz, 40dB (Mod. 1kHz, Dev. 36kHz, Stereo, Lch Only)	98.1MHz	Speaker Output	Adjust VR2102 for Lch and Rch output level difference to be 8 ±2dB.
6	Stereo Separation Adjustment (Lch)		Figure 10	98.1MHz, 72dB (Mod. 1kHz, Dev. 36kHz, Stereo, Lch Only)	98.1MHz	Speaker Output	Adjust VR2103 for Rch output to be minimum, and confirm Lch and Rch output level difference is more than 20dB.
7	Stereo Blend Adjustment (Rch)		Figure 10	98.1MHz, 40dB (Mod. 1kHz, Dev. 36kHz, Stereo, Rch Only)	98.1MHz	Speaker Output	Proceed same adjustment under step 5.
8	Stereo Separation Adjustment (Rch)		Figure 10	98.1MHz, 72dB (Mod. 1kHz, Dev. 36kHz, Stereo, Rch Only)	98.1MHz	Speaker Output	Proceed same adjustment under step 6 by alternating Lch and Rch.

Note :  $\bigcirc$  : For TDM-7531R Model Only,

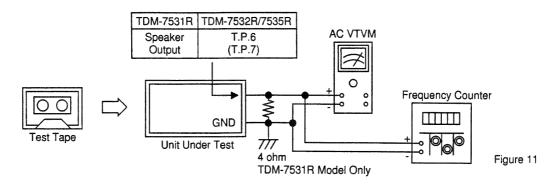
☐ : For TDM-7532R Model Only ,

 $\triangle$ : For TDM-7535R Model Only,

Others : Common.

#### 2 TAPE PLAYER SECTION

#### (1) Connections



(2) Control Settings

Power Switch	ON
Fader Control	Center Position
Balance Control	Center Position
Treble / Buss Control	Center Position
Others	OFF

#### (3) Adjustment Procedures

Step	Description	Test Tape	Connection	Test Point		Adjustment Point	Adjustment									
1	Head Azimuth Adjustment		MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	MTT-114NB	Figure 11	0	Speaker Output	Head Azimuth	Adjust for Max. and same level
			rigure 11	Figure 11		Adjustment Screws (Figure 12)	output at Normal and Reverse positions.									
2	Dolby Level Adjustment (TDM-7532R/ 7535R Model Only)	MTT-150 (400Hz)	Figure 11	T.P.6 (Lch) T.P.7 (Rch)		VR201 (Lch) VR202 (Rch)	Adjust for 245mV ( □)/388mV( △) ± 1dB at T.P.6 (Lch) and T.P.7 (Rch).									
	Tono Coord MTT 111h		Tape Speed MTT-111N Adjustment (3kHz)	Tana Spand	MTT 111N		0	Speaker Output	Tape Speed	Adjust for 0.070 to 0.000 lb at T.D.O.						
3	1 ' '			Figure 11	П Ф	T.P.6 (Lch) or T.P.7 (Rch)	Adjustment (Figure 13)	Adjust for 2,970 to 3,090Hz at T.P.6 (T.P.7).								

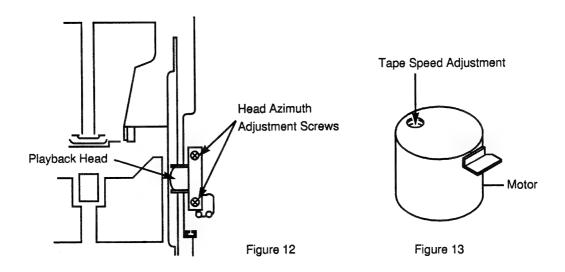
Note: O: For TDM-7531R Model Only,

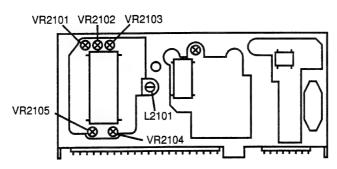
☐ : For TDM-7532R Model Only ,

△: For TDM-7535R Model Only,

Others: Common.

# **Adjustment Locations**





FM / MW/LW Tuner Unit (FE001)

Note : For the Adjustment parts (S411( $\bigcirc$  $\bigcirc$ ), S422( $\bigcirc$  $\bigcirc$ ), S418( $\triangle$ ), S428( $\triangle$ ), VR201, VR202) and Test Points, refer to the Parts Layout on P.C.Boards and Wiring Diagram.

# **Description of IC Terminal**

45609W26 : IC501

	Symbol	11/0	T				
No.	Symbol	1/0	- Comma Deed plant				
1	NOSE ON		Front panel detection terminal.				
2	AV <sub>REF</sub>		Reference voltage input terminal for A/D converter.				
3	V <sub>DD</sub>		V <sub>DD</sub> terminal.				
5	AV REF OUT	0	Reference voltage output terminal to A/D converter.				
6	PLAY SOL	0	Play Solenoid control signal output terminal in deck mechanism.				
7	RF SOL	0	RF Solenoid control signal output terminal in deck mechanism.				
8	EJECT SOL	0	Eject Solenoid control signal output terminal in deck mechanism.				
9	MOTOR CONT	0	Determins rotation direction of motor in deck mechanism.				
10	O. MOTOR	0	Determins start and stop of motor in deck mechanism.				
11	FOR/REV	0	FOR/REV indicator output terminal.				
12	O. FAST	0	Gain control signal output terminal to MS IC.				
13	PACK IN	ı	Switch to detect cassette is installed into cassette holder or not.				
14	M.S.DET	1	Music ON/OFF switching signal input terminal.				
15							
16	GND		GND short.				
17							
18	AREA0						
19	AREA1	1	Initial setting input terminal.				
20	TP ALARM	0	ALARM signal output terminal (at TP OFF ALARM).				
21	NC	_	Open.				
22	PWR IC ON	0	Stand-by control signal output terminal to Power IC.				
23	POWER CONT	0	Power control signal output terminal to Audio line and lighting.				
24	A.MUTE	0	Audio mute signal output terminal.				
25							
26	NC	_	Open.				
27							
28	IN INT	1	INT signal input terminal.				
29	CHG D-OUT	0	BUS line output terminal to CD changer.				
30	E.VOL. CLK	0	Serial clock data output terminal to Electrical Volume.				
31	E.VOL. DATA	0	Serial data output terminal for Electrical Volume.				
32	NC	_	Open.				
33	GND		GND short.				
34	NC	_	Open.				
35	DOLBY C	0	Dolby C NR ON/OFF signal output terminal.				
36	DOLBY B	0	Dolby B NR ON/OFF signal output terminal.				
37	LCD CE	0	CE signal output terminal to LCD Driver.				
38	DTS CE		CE signal output terminal to DTS microcomputer (IC504).				

No.	Symbol	1/0	Terminal Description		
39	DTS START	0	Data sync signal output terminal to DTS microcomputer (IC504).		
40	NOSE POWER	0	Power control signal output terminal to Front panel.		
41	LED IND	0	Action indicator output terminal.		
42	LCD CLK	0	Clock signal output terminal to LCD Driver.		
43	GRN/ORG	0	ILLUMI Control signal output terminal.		
44	LCD DATA	0	Data output terminal to LCD Driver.		
45	LCD INH	0	INH signal output terminal to LCD Driver.		
46	DTS MUTE	ı	Audio mute signal input terminal from DTS microcomputer (IC504).		
47	ACC+5	-	ACC power supply detection terminal.		
48	CHG D-IN	1	BUS line input terminal to CD changer.		
49	REMOCON	ı	Data input terminal from Remocon receiver.		
50	DTS STATUS	ı	Serial data input terminal from DTS microcomputer (IC504).		
51	DTS CMD	0	Serial data output terminal to DTS microcomputer (IC504).		
52	DTS SCK	0	Communication sync signal output terminal to DTS microcomputer (IC504).		
53	BATT+5V	ı	BATT detector terminal.		
54	GND		GND short.		
55	GIND		GND SHOTE.		
56	NC	_	Open.		
57	GND	_	GND short.		
58	X1	1	Input terminal for system clock OSC.		
59	X2	0	Output terminal for system clock OSC.		
60	RESET	ı	System reset signal input terminal.		
61					
1	GND	_	GND short.		
75					
76	PACK DOWN	1	Switch to detect cassette holder is moved down completely.		
77	RUN DET	1	Signal showing take-up reel is roating or not.		
78	KEY-IN AD0				
79	KEY-IN AD1	1	KEY input terminal.		
80	KEY-IN AD2				

#### 75099W04: IC504

No.	Symbol	1/0	Terminal Description			
1	LW	0	LW band selection terminal.			
2	LO/DX	0	Local/DX control terminal.			
3	NC	_	Open.			
4	AVSS	_	GND potential terminal for A/D converter.			
5	LPF SW	0	LPF time constant switching terminal at AF CHECK/SW.			
6	IF MUTE	0	Mute signal output terminal at AF check.			
7	AV <sub>REF1</sub>	1	Reference voltage input terminal for A/D Converter.			
8	PLL UP	_	Pull up terminal.			

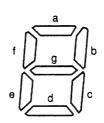
No.	Symbol	1/0	Terminal Description					
9	NC	_	Open.					
10								
11	PLL CLK	0	Clock output terminal to PLL.					
12	PLL DATA	0	Data output terminal to PLL.					
13	PLL CE	0	Data communication control signal output terminal to PLL					
14	DTS MUTE	0	Audio mute output terminal.					
15	DTS START	١	DTS data start input terminal.					
16	DTS CMD	ı	Serial data input terminal from Main microcomputer (IC501).					
17	DTS STATUS	0	Serial data output terminal to Main microcomputer (IC501).					
18	DTS CLOCK	ı	Communication data sync signal input terminal form Main microcomputer (IC501).					
19								
~	NC	_	Open.					
32								
33	V <sub>SS</sub>	_	GND potential terminal.					
34								
	NC		Open.					
57								
58	FM/ĀM	0	FM/AM power control terminal.					
59	AUDIO IN	ī	Audio xerox input terminal.					
60	RESET	ı	System reset input terminal.					
61	RDS CLK	ī	RDS clock input terminal.					
62	RDS DATA	ı	RDS data input terminal.					
63	DTS CE	ı	Terminal to make Main microcomputer (IC501) in stand-by status.					
64								
~	NC	_	Open.					
66								
67	50K REF	0	L.P.F. swithing output terminal at RDS mode.					
68	V <sub>DD</sub>	_	Positive power supply terminal.					
69	X2	0	Output terminal for system clock OSC.					
70	X1	1	Input terminal for system clock OSC.					
71	V <sub>SS</sub>	_	GND short.					
72	NC	_	Open.					
73	PLL D-IN	1	Data input terminal from PLL					
74	AV <sub>DD</sub>		Analog power supply terminal for A/D converter.					
75	AV <sub>REF0</sub>	ı	Reference voltage input terminal for A/D converter.					
76	S.METER	ı	Signal meter input terminal.					
77	ADJ-ON	ı	Port detects adjoining rejection interference of station.					
78	MULTI PATH	ı	Port detects multi path interference of station.					
79	ST	1	ST signal input terminal.					
80	SD	1	Station detector signal input terminal for FM/AM (MW/LW).					

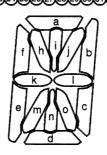
# **LCD Display**

RDS T.INFO TP RPT ALL DIB DIC DEFEAT DX CYCLUM MO ST LOUD

1 2 3 4 5 6 7 8 9 10 11

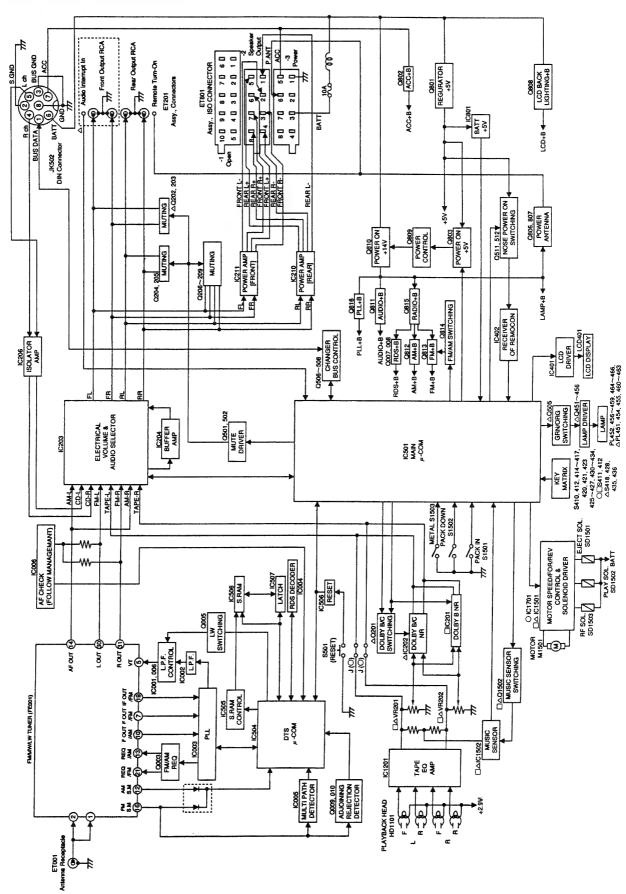
1 2 3 4 5 6 7 8 9 10 11



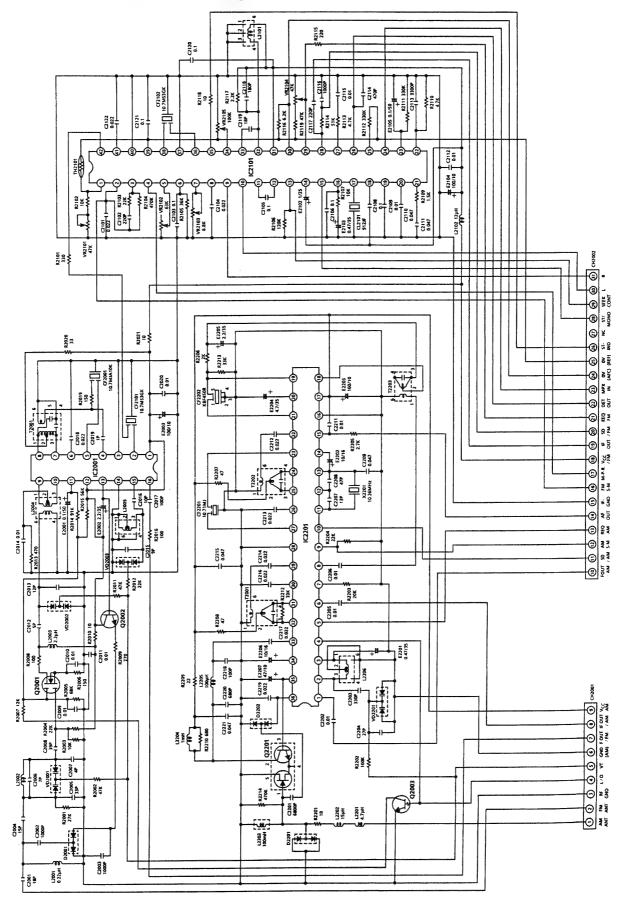


PIN No.	COM1	COM2	COM3	PIN No.	COM1	COM2	сомз
1				39			СОМЗ
2				40		COM2	
3	1-h	1-k	1-m	41	COM1		
4	1-j	1-1	1-0	42	0.0	ST	LOUD
5	2-j	2-I	2-c	43	DX	B.SKIP	MO
6	3-f	3-g	3-е	44	11-b	11-c	11-d
7				45	11-j	11-1	11-0
8				46	11-a	11-i, 11-n	11-m
9				47	11-h	11-k	11-e
10				48	DEFEAT	11-f	10-c
11				49	10-j	10-i, 10-n	10-d
12				50	10-f	10-k	10-e
13				51	•	:	•
14	5-b	5-1	5-0	52	9-a	9-b	9-c
15	6-h	6-k	6- <b>e</b>	53	9-1	9-k	9-m
16	6-a	6-i, 6-n	6-m	54	DDC	8-b	9-0
17	7-f	7-e	6-d	55	8-h	8-k	8-m
18	7-h	7-k	7-m	56	DDB	7-b	7-c
19	7-j	7-1	7-0	57	7-a	7-i, 7-n	7-d
20	8-f	8-e	8-d	58	ALL	6-b	6-c
21				59	6-j	6-i	6-0
22				60	RPT	6-f	5-c
23	8-a	8-i, 8-n	8-0	61	5-j	5-i, 5-n	5-d
24	<b>8</b> -j	8-1	8-c	62	5-a	5-h	5-m
25	9-h	9-i, 9-n	9-d	63	5-f	5-k	5-ө
26	9-j	9-1	9-0	64	TP	4-b	4-c
27	10-a	10-h	10-m	65	4-j	4-1	4-0
28	10-b	10-1	10-o	66	4-a	4-i, 4-n	4-d
29				67	4-h	4-k	4-m
30				68	4-1	3-b	4-0
31				69	M.I.X.	3-a, 3-d	3-c
32				70	T.INFO	2-b	1
33				71	2-a	2-і, 2-п	2-0
34				72	2-h	2-k	2-m
35				73	2-1	2-е	2-d
36				74	PTY	1-b	1-c
37				75	1-a	1-i, 1-n	1-d
38				76	RDS	1-1	1-9

# **Block Diagram**



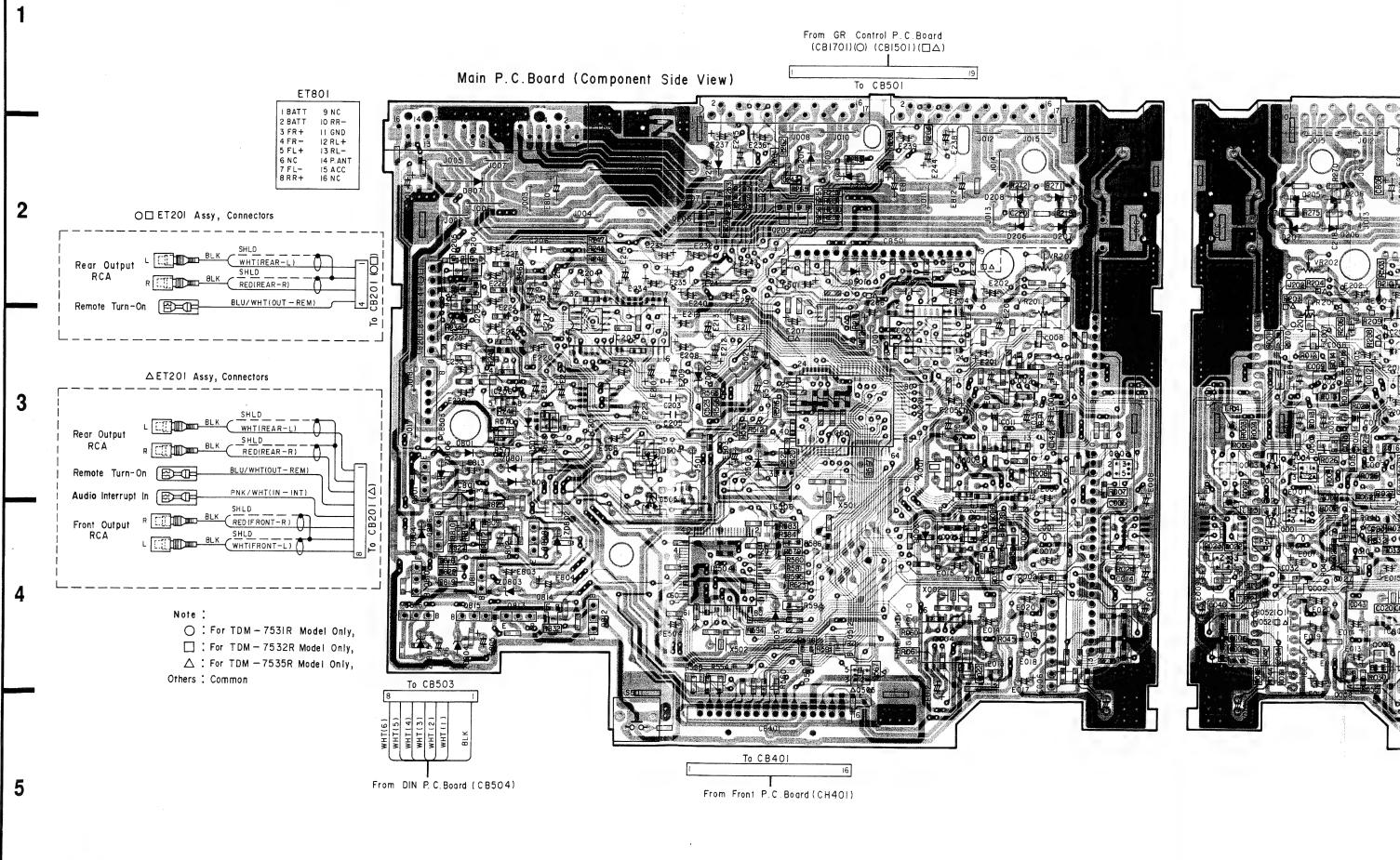
# **Tuner Schematic Diagram**



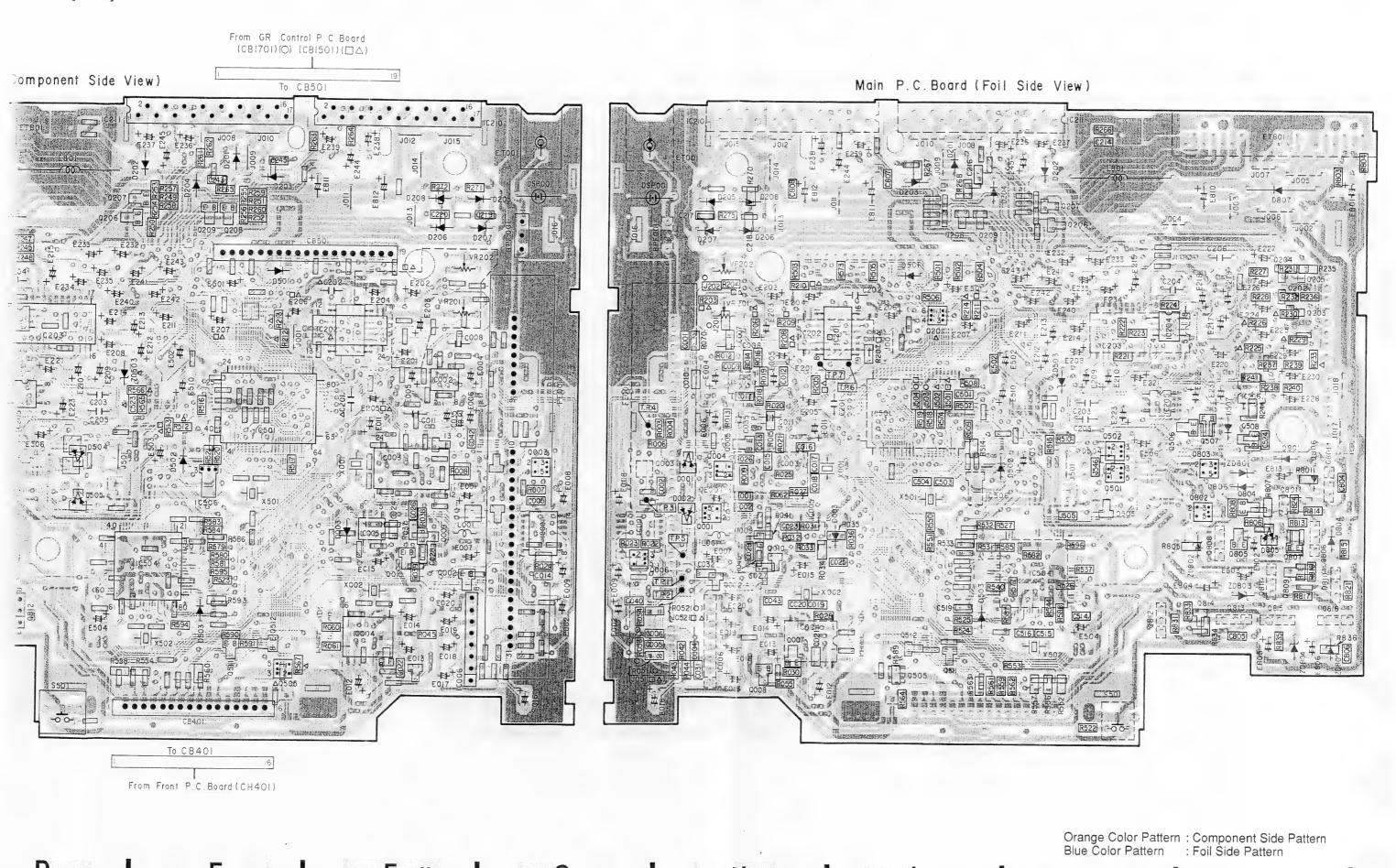
# **MEMO**

# Parts Layout on P.C. Boards and Wiring Diagram (1/2) From GR Control P.C.Board (CBI701)(()) (CBI501)([]\(\triangle \Delta) Main P.C. Board (Component Side View) 6 NC 14 P.ANT 7 FL- 15 ACC 8 RR+ 16 NC ○□ ET201 Assy, Connectors Rear Output Remote Turn-On △ET201 Assy, Connectors Rear Output Front Output RCA ○ : For TDM - 753IR Model Only, From DIN P. C. Board (CB504) From Front P.C. Board (CH401)

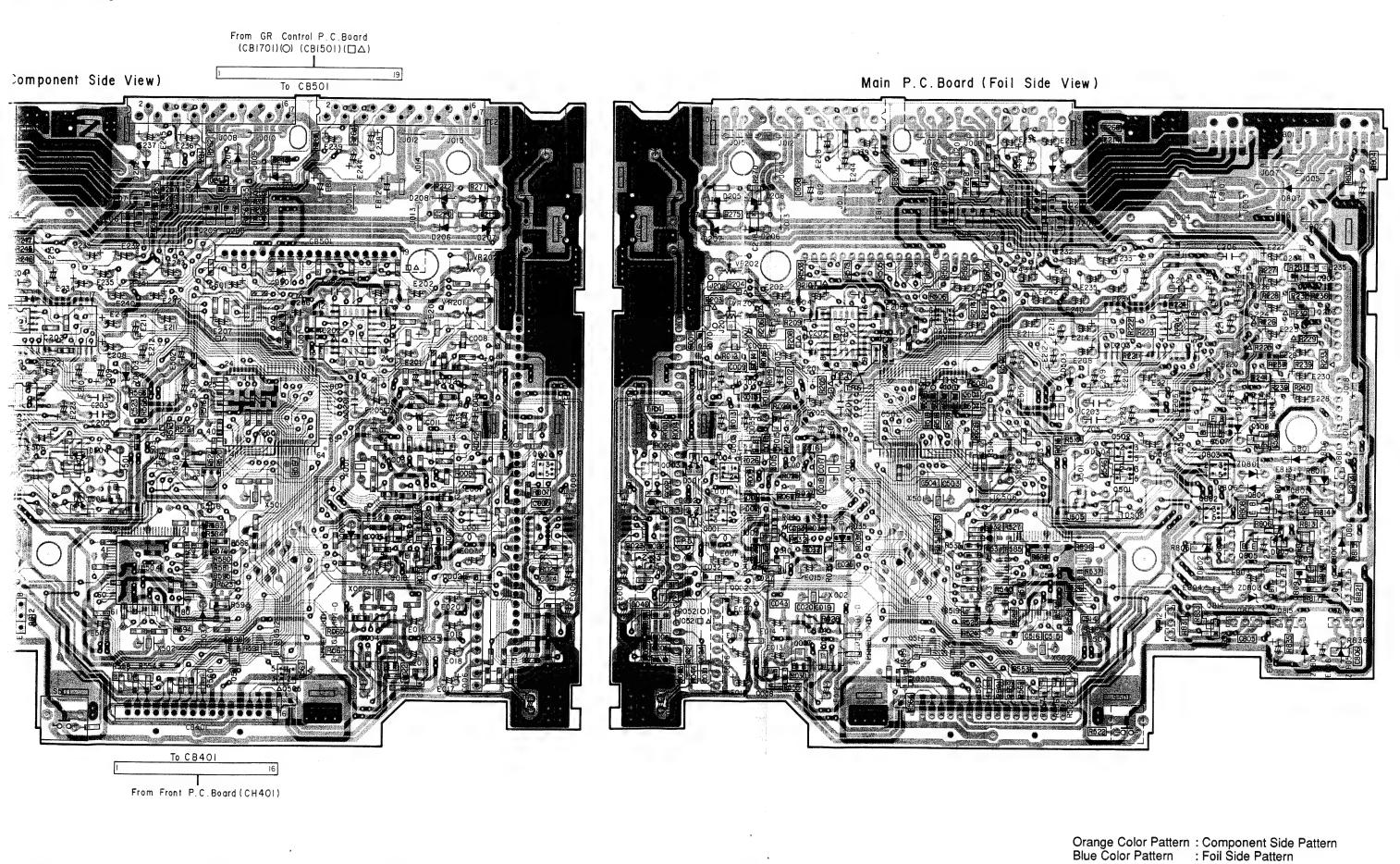
# Parts Layout on P.C. Boards and Wiring Diagram (1/2)

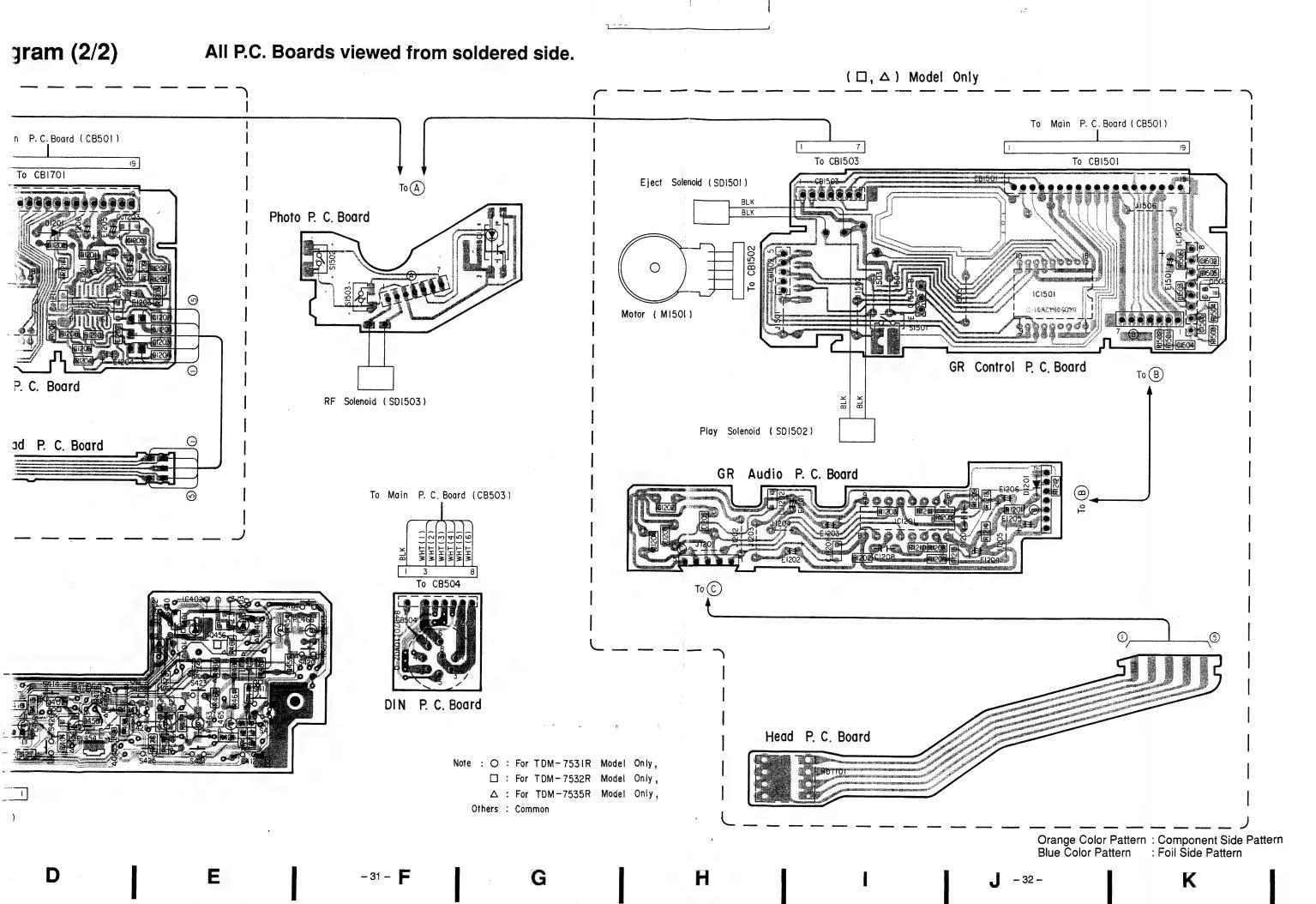


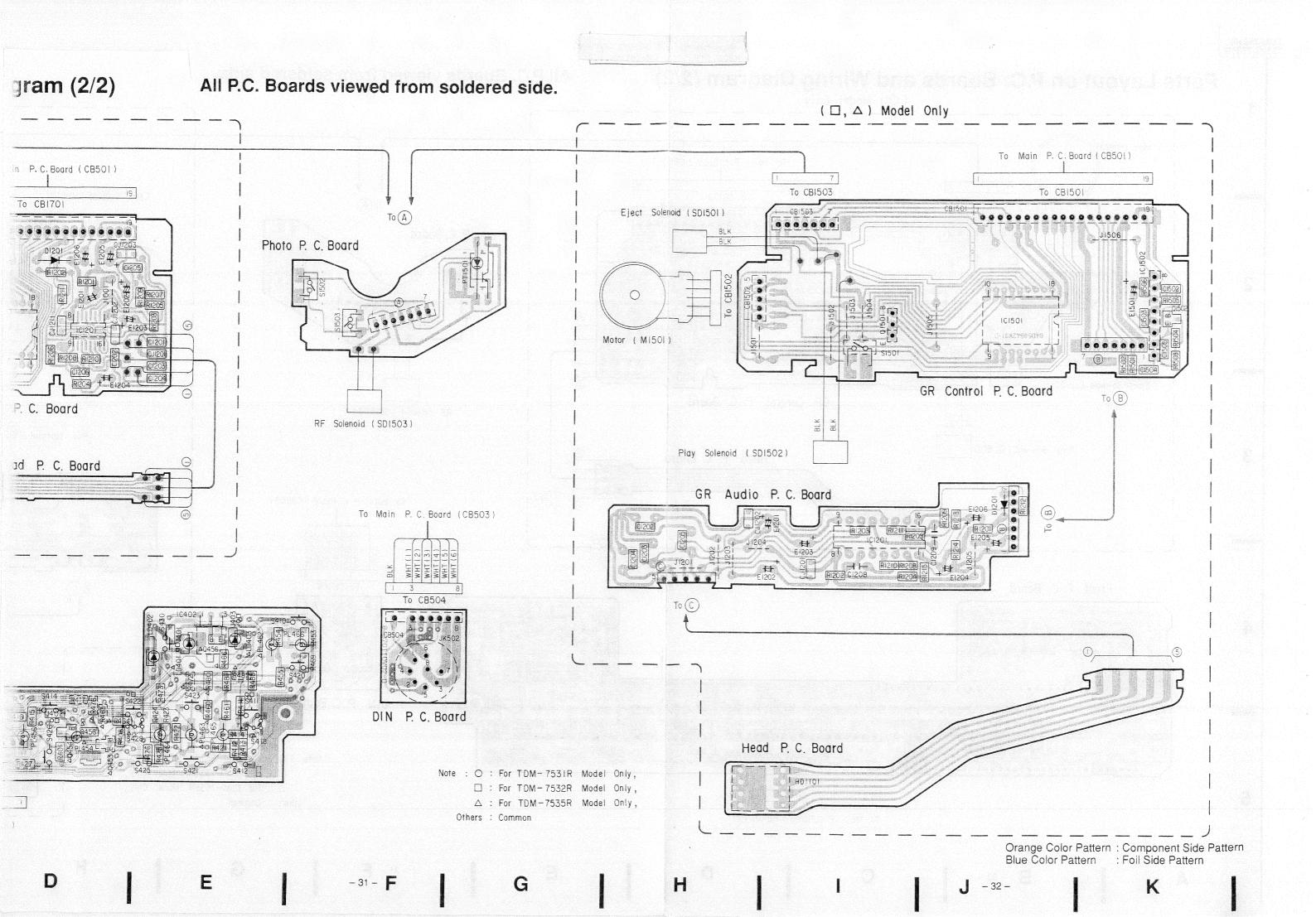
# ram (1/2)

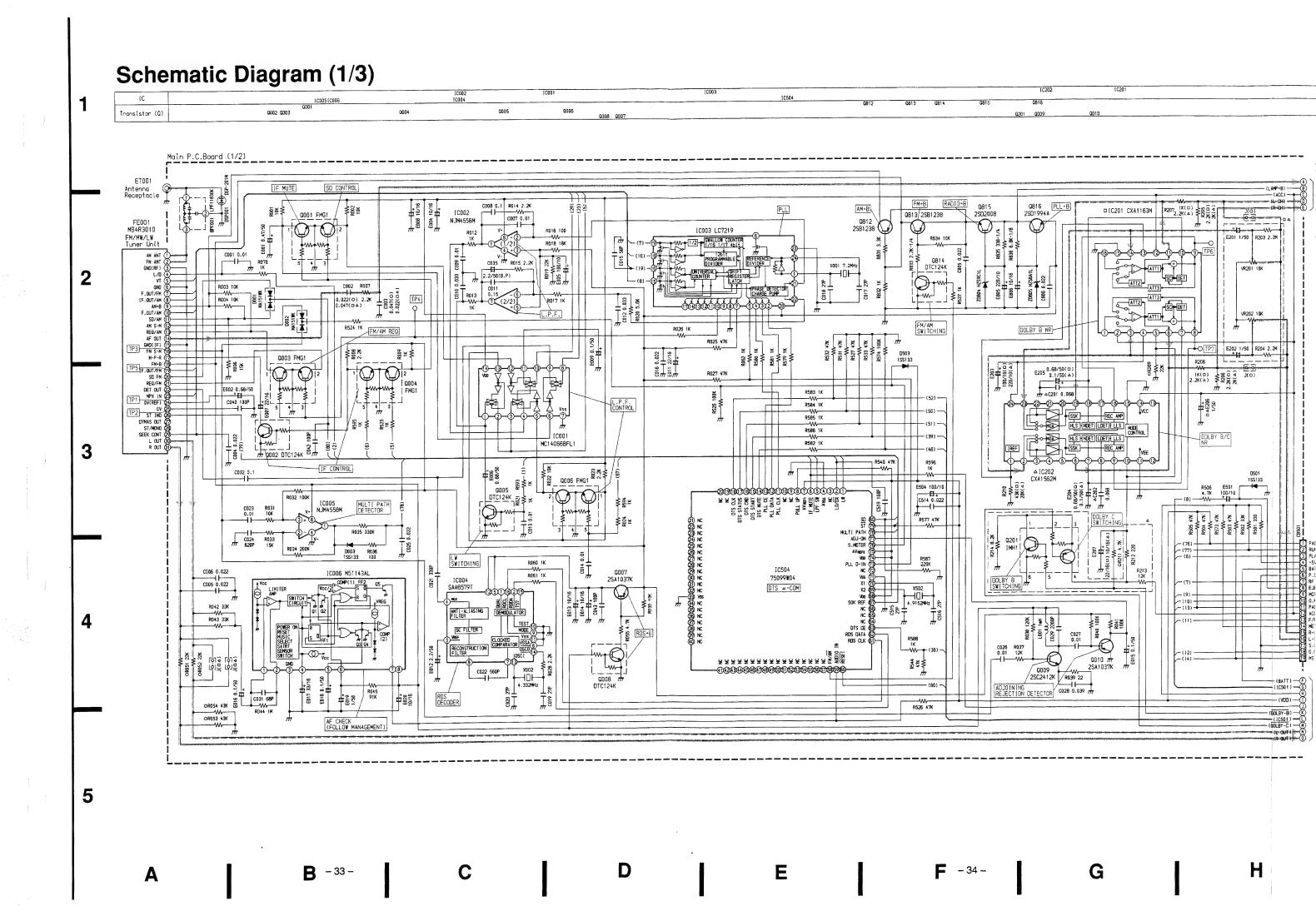


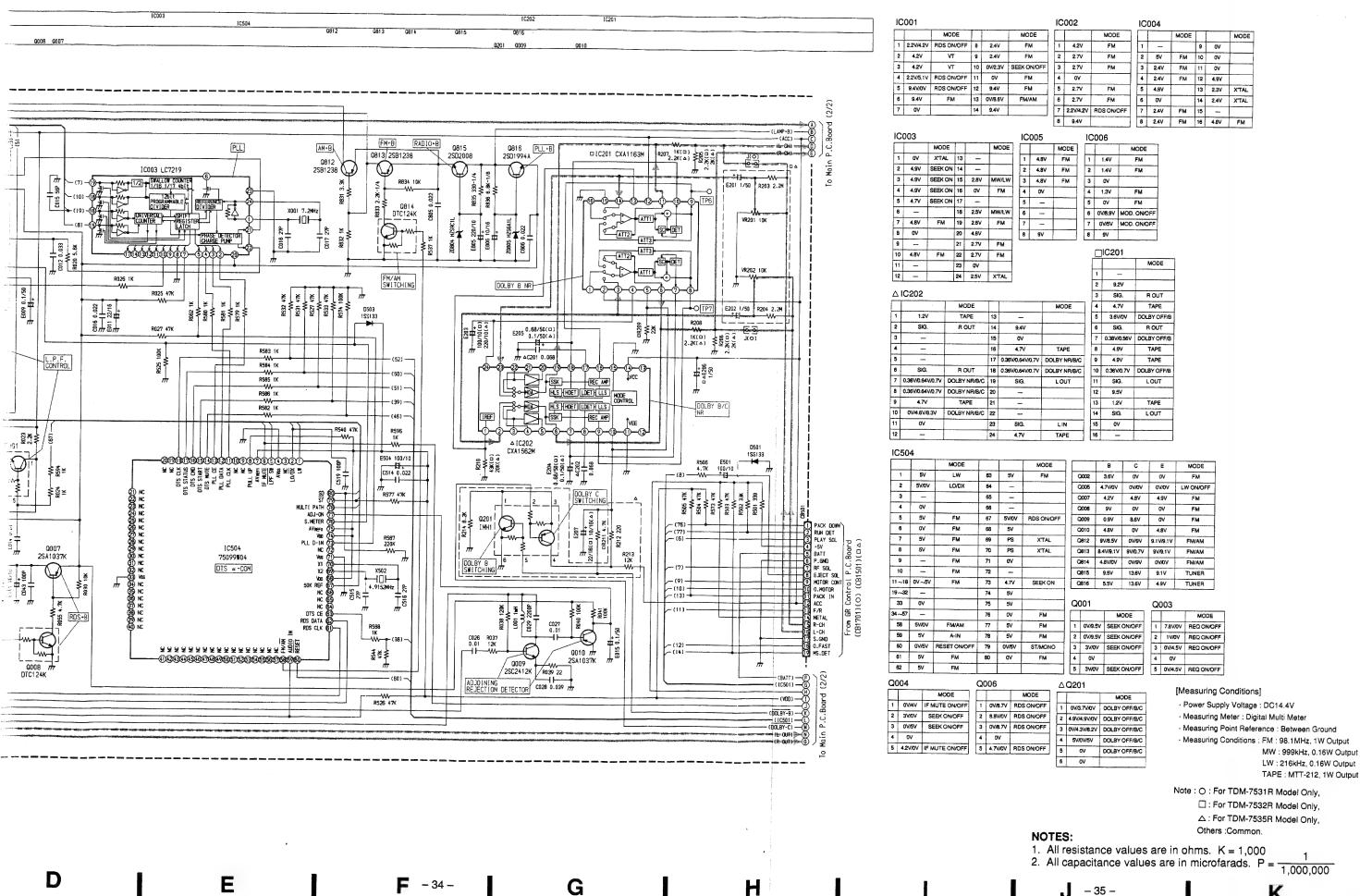
# ram (1/2)





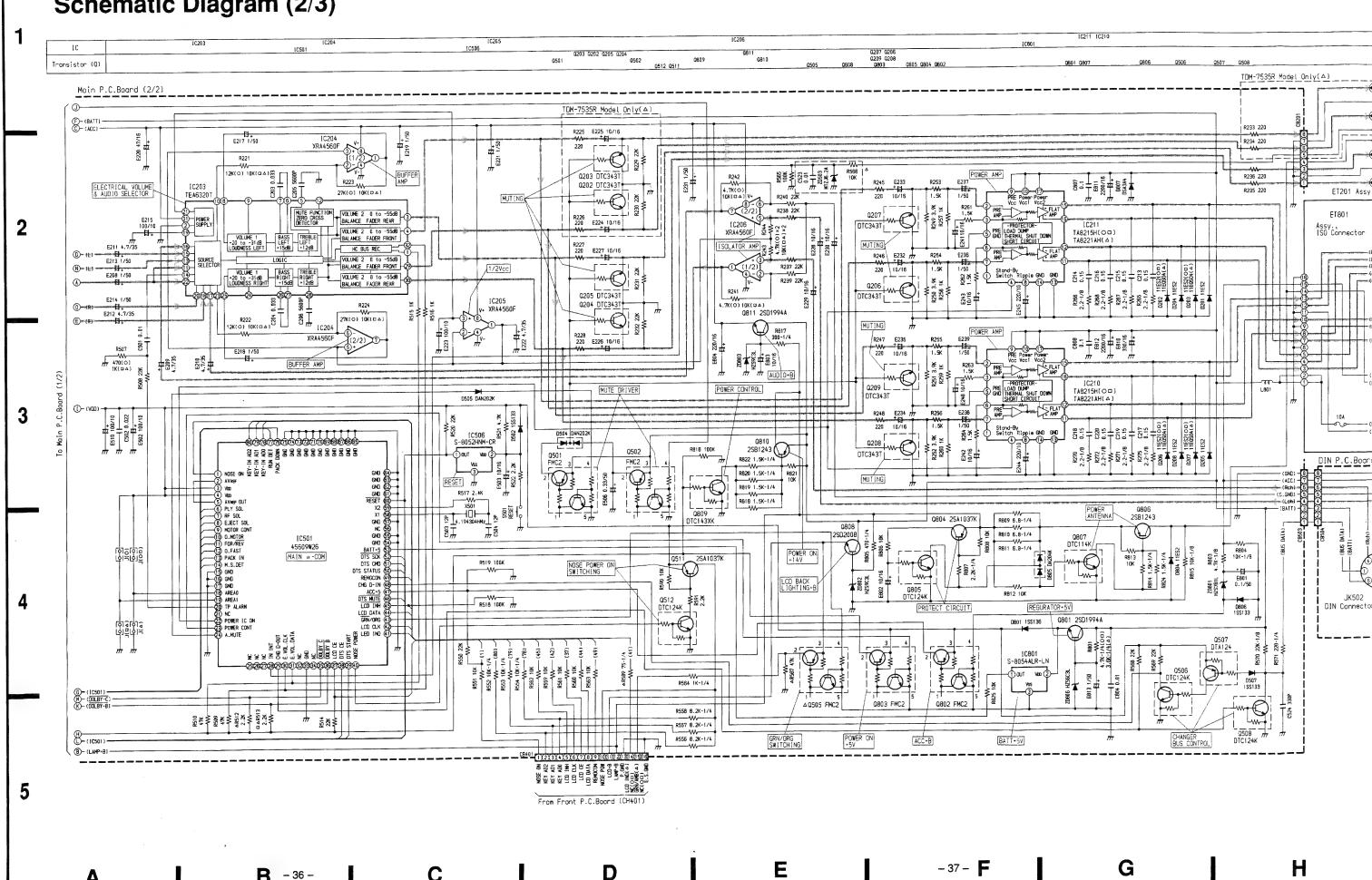


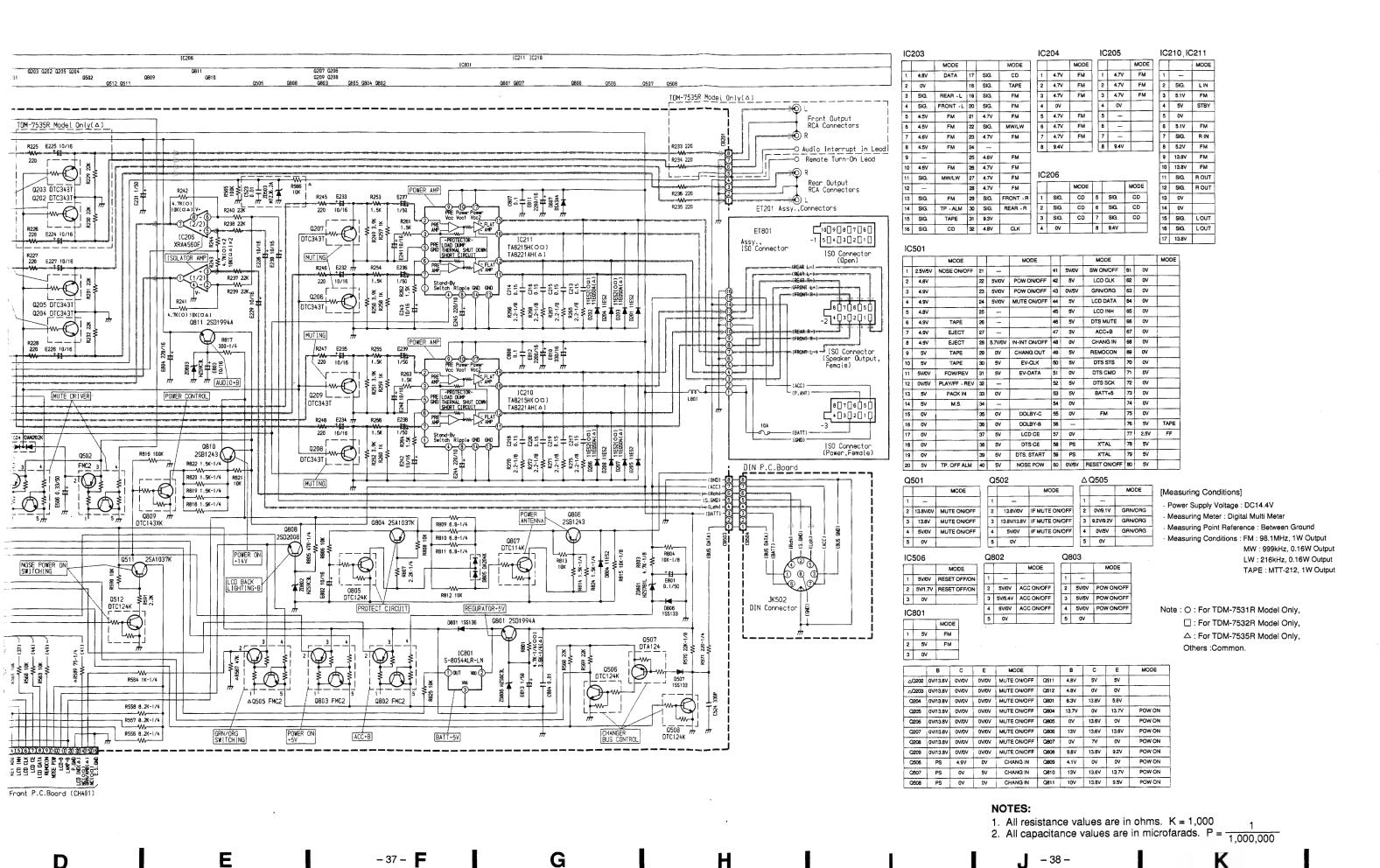


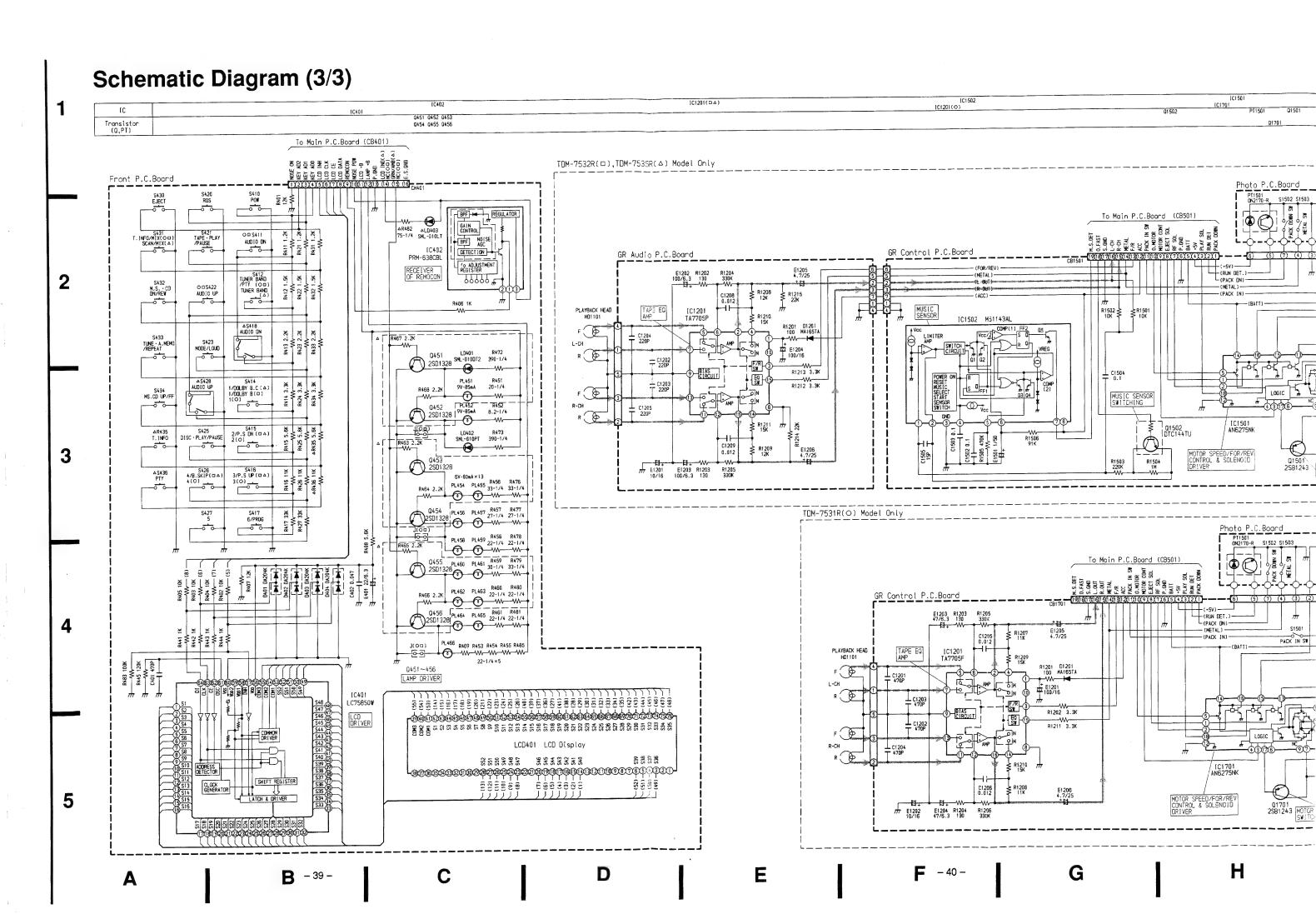


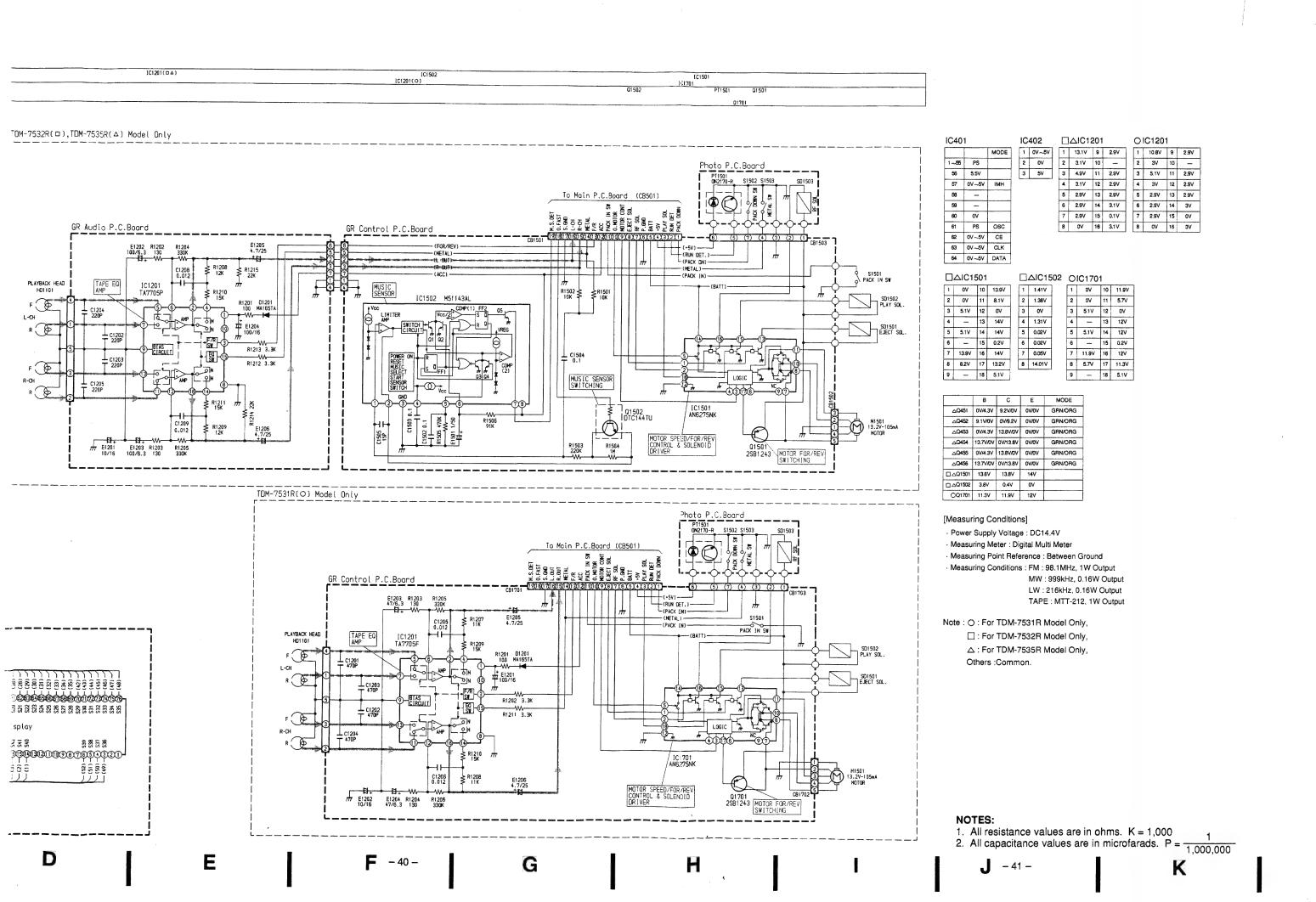
K

# Schematic Diagram (2/3)









# **Electrical Parts List**

Resistor: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor: µF=microfarads, pF=picofarads

_			Сарасп	or . µ	r – mici	ofarads, pF=pic	Olarada
		Resistor	capacitor	S	ymbol No.	Part No.	Description
		Carbon Film	ELY.= Electrolytic	11	0007	48T63420F01	CP., 2SA1037K
1		Metal Film Metal Oxide Fi	CER.= Ceramic im MYL.= Mylar	11	0008	48T62967F03	CP., DTC124K
		Metal Plate	TAN.= Tantalum	П	Q009	48T63417F01	CP., 2SC2412K
		Transistor	POLY.= Polystyrol	Ш	0010	48T63420F01	CP., 2SA1037K
TR		Transformer		$  _{\Delta}$	Q201	48T94471F03	CP., IMH1
111	CP.=		PLT.= Polyethylene	$\square^{\Delta}$	Q201	401344/1103	CF., IIVIFT
	• • •	41116	PF.= Polyester Film	Ш	Q202	48T62967F33	CP., DTC343T
				.∐∆ ∆	Q202	48T62967F33	CP., DTC343T
S	mbol	Don't No	Description	$\Pi^{\Delta}$		48T62967F33	CP., DTC343T
1	No.	Part No.	Description	Ш	Q204 Q205	48T62967F33	CP., DTC3431
$\vdash$		<u> </u>		H	0206	48T62967F33	CP., DTC343T
		Main	P. C. Board	Ш	Q200	46102907533	CF., D1C3431
-		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		łI –	Q207	48T62967F33	CP., DTC343T
1	IC's			Ш	Q207	48T62967F33	CP., DTC343T
	IC001	51T40941U03	MC14066BFL1	11	Q209	48T62967F33	CP., DTC343T
	IC001	51T93336F01	NJM4558M	Ш	Q501	48T73888F12	CP., FMC2
	IC002	51T35504W02		11	Q502	48T73888F12	CP., FMC2
1	IC003	51T55054W02			4302	701/3000F12	Cr., Tivice
	IC004	51T93336F01	NJM4558M	Δ	0505	48T73888F12	CP., FMC2
ı	10005	51193336FU1	NJIVI4556IVI				CP., DTC124K
	ICOSC	E4T67045504	BAE1142A1	11	Q506 Q507	48T62967F03 48T62966F03	CP., DTA124
		51T67915F01	M51143AL		Q507 Q508		CP., DTC124K
		51T16466W02		Ш		48T62967F03	CP., 25A1037K
Δ		51T65314W01	CXA1562M	11	Q511	48T63420F01	CP., 25A1037K
	1		TEA6320T	li i	0543	40763067503	CD DTC124K
	IC204	51T92001F21	XRA4560F	!!	Q512		CP., DTC124K
			Lan Lancia	11	Q801	48T93828F04	2SD1994A
1	IC205	51T92001F21	XRA4560F	11	Q802	48T73888F12	CP., FMC2
	IC206	51T92001F21	XRA4560F	Ш	Q803	48T73888F12	CP., FMC2
0	IC210	51T35133W02		11	Q804	48T63420F01	CP., 2SA1037K
0	or		MC13309T3	Н	0005	40753067503	CD DTC134K
	IC210	51T35133W02	l control of the cont	П	Q805	48T62967F03	CP., DTC124K
	or	51T65310W01	MC13309T3	Ш	Q806	48T84366F01	2SB1243
	16340	E473E544\4/44	TA0224AU	Ш	Q807	48T62967F02	CP., DTC114K 2SD2008
Δ		51T25614W11			Q808	48T15289W03	
0	IC211	51T35133W02			Q809	48T62967F05	CP., DTC143XK
0	or		MC13309T3		0040	40704366504	2001242
	IC211		TA8215H		Q810	48T84366F01 48T93828F04	2SB1243 2SD1994A
i,J	or	51T65310W01	MC13309T3	l I	Q811		25B1238
	10244	E1T3E614\A/11	TA0221AU	Ш	Q812	48T84234F03	25B1238
Δ		51T25614W11		П	Q813	48T84234F03	CP., DTC124K
		51T45609W26			Q814	48T62967F03	Cr., DICIZAN
		51T75099W04			0015	48T15289W03	25D2008
	1000	51T95014F13	S-8052HNM-CR		Q815		25D2008 25D1994A
	10004	E4T0504 4500	C OCEANID IN		Q816	48T93828F04	23U 1334M
	10801	51T95014F09	S-8054ALR-LN				
				II—			
		sistors				es / Surge Pro	
	` 1	48T73888F08	CP., FMG1		D001		CP., MA151WK
		48T62967F03	CP., DTC124K		D002		CP., MA151WK
	,	48T73888F08	CP., FMG1		D003		155133
	Q004	48T73888F08	CP., FMG1		D201		11ES2
	Q005	48T62967F03	CP., DTC124K	0	D202	48T84052F11	11ES2
					D. 2.2.	40704053544	44553
	Q006	48T73888F08	CP., FMG1		D202	48T84052F11	11ES2

Notes: O: For TDM-7531R Model only, □: For TDM-7532R Model only,

△: For TDM-7535R Model only, Others : Common.

S	ymbol No.	Part No.	Description	S	ymbol No.	Part No.		Description
	D202	48T55247W02	11EQS04	71	Can	acitors	· I	
0	D203	48T84052F11	11ES2		Cup	-	· · · · · · · · · · · · · · · · · · ·	
	D203	48T84052F11	11ES2	- 11	C001	08S65128F69	CP.,	0.01µF
Δ	D203	48T55247W02	11EQS04	Ш	E001	23\$75372W13	ELY	0.47uF / 50
	D204	48T84052F11	11ES2		C002	08T15399W01		0.022µF
		10.0.0.0		Ĭ	C002	08T15399W03	CP	0.047µF
	D205	48T84052F11	11ES2	Δ	C002		CP.,	0.047µF
0	D206	48T84052F11	11ES2	114	1 0002	001133334403	Cr.,	0.047μΓ
	1			Ш		226752721444	15137	0.50 5 / 50
_	D206	48T84052F11	11ES2		E002	23S75372W14	ELY.,	0.68µF / 50
	D206	48T55247W02		$\circ$	C003	08T15399W03		0.047µF
J	D207	48T84052F11	11ES2		C003	08T15399W01		0.022µF
				Δ	C003	08T15399W01	CP.,	0.022µF
	D207	48T84052F11	11ES2	Ш	C004	08T15399W01	CP.,	0.022µF
Δ	D207	48T55247W02	11EQS04	Ш	1		1	·
	D208	48T84052F11	11ES2	- 11	E004	23S75372W04	ELY.	10µF / 16V
	D501	48T68828F11	155133	Ш	C005	08T15399W01	I CD	0.0225
	D502	48T68828F11	155133	- 11	E005	23575372W02	EI V	100μF / 10V
3		10,00020111		11	C006	08T15399W01	CP.,	100με / 100
i	D503	48T68828F11	155133	11			CF.,	0.022µF
					E006	23\$75372W14	ELY.,	0.68µF / 50
	D504	48T63462F01	CP., DAN202K					
	D505	48T63462F01	CP., DAN202K	11	C007	08S65128F69	CP.,	0.01µF
	D507	48T68828F11	1SS133	П	E007	23S75372W05	ELY.,	22µF / 16V
	D801	48T70933F11	1SS136	11	C008	08T35122W13	l pr	0.4
				Ш	E008	23\$75372W04	ELY.,	0.1µF 10µF / 16V 0.01uF
	D804	48T84052F11	11ES2	-11	C009	08S65128F69	CP.,	0.01µF
	D805	48T64134F01	CP., DA204K	Ш				5.5.4.
	D806	48T68828F11	155133	Ш	E009	23S75372W10	EIV	0.115/50/
	D807	48T68580F03	DSA3A4	П	C010	08T15399W02	CP.,	0.1μF / 50V 0.033μF
- 1	ZD503	48T45012W29	Zener, MTZJ6.2A		C011	1		•
۱ ۲	20303	401430124429	Zener, Witzb.ZA			08T35122W15	PF.,	0.15µF
ļ	70004	407353661443	7		E011	23575372W05	ELY.,	22µF / 16V 0.033µF
- 1	ZD801		Zener, HZS7B1L		C012	08T15399W02	CP.,	0.033µF
- 1	ZD802	48T25766W26	Zener, HZS9C3L					
- 1	ZD803		Zener, HZS9C3L	Ш	E012	23\$75372W16	ELY.,	2.2µF / 50V
- 1	ZD804	48T25766W24	Zener, HZS9C1L		C013	08S65128F69	J CP.,	0.01uF
- 1	ZD805	48T25766W01	Zener, HZS6A1L		E013	23\$75372W04	ELY.,	10µF / 16V
					C014	08S65128F69	CP.,	0.01µF
ŀ	ZD806	48T25766W09	Zener, HZS6C3L	ш	E014	23\$75372W04	FIY	10μF / 16V
ı	DSP001	48T81909F01	DSP-201M				] ,	1001 / 100
- [			231 201101	11 1	C015	08582122F31	CD	FFF
- [					E015		CP., ELY.,	56pF
						23575372W10		0.1µF / 50V
_			· · · · · · · · · · · · · · · · · · ·	41	C016	08T15399W01	CP.,	0.022µF
	Crysta	ils			E016	23\$75372W10	ELY.,	$0.1\mu F / 50V$
1				-11 1	C017	08582122F23	CP.,	27pF
	X001	91T45118W43						
	X002	91T45118W18			E017	23S75372W06	ELY.,	33µF / 16V
þ	X501	91T45118W17	4.194304MHz		C018	08\$82122F23	CP.,	27pF
1	X502	91T45118W27	4.9152MHz		E018	23575372W10	ELY.,	0.1µF / 50V
					C019	08S82122F23	CP.,	27pF
		1			E019	23575372W15	ELY.	
1					-013	23733724413		1μF / 50V
1				41	C020	00003433533	CD	27 -
	Filter	/ Coils				08582122F23	CP.,	27pF
Tr	3PF001	01T7E3E714/04 T	Cilear I DE44020W	-  -	E020	23\$75372W04	ELY.,	10μF / 16V
- 1			Filter, LPF11830K		C021	08S65128F47	CP.,	330pF
- 1			Inductor, 1mH		C022	08S65128F53	CP.,	560pF
I	.801	24T75055W03	Choke		C023	08S65128F69	CP.,	0.01µF
								•
1					C024	08565128F56	CP.,	820pF
					C025	08T15399W01	CP.,	0.022µF
, miles	ا على مرخ				C026	08S65128F69	CP.,	0.022μF 0.01μF
	Switch	1				08565128F69	CP.,	
k	501	40T16096W03	Tact, SKHHLW (RESET)	11	C028	08565128F81		0.01µF
1-		-0.100304103	INCO DIVILIERA (UEDEI)	11	-U20	U0303120F01	CP.,	F بر0.039

Notes: O: For TDM-7531R Model only, □: For TDM-7532R Model only,

△: For TDM-7535R Model only, Others : Common.

	C029 C031 C032 C035 C040 C042 C043 C201 E201 E201 C202 E202 E202 C203 E203	08565128F61 08565128F31 08T15807W05 23T82372F19 08565128F35 08565128F35 08565128F35 08735122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 08T35122W11 23S75372W15 08T35122W07 23S75372W02	ELY.,	2200pF 68pF 0.1µF (B.P) 2.2µF / 50V 100pF 100pF 0.068µF 1µF / 50V 1µF / 50V		Δ	E226 E227 E228 E229 E230 E231 E232	23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W15 23\$75372W04	ELY., ELY., ELY., ELY., ELY., ELY., ELY.,	10µF / 16V 10µF / 16V 10µF / 16V 10µF / 16V 10µF / 16V 10µF / 16V 1µF / 50V 10µF / 16V
	C032 C035 C040 C042 C043 C201 E201 C202 E202 E202 C203 E203	08T15807W05 23T82372F19 08S65128F35 08S65128F35 08S65128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 23S75372W15 08T35122W07	CP., CP., CP., CP., CP., ELY., ELY., ELY.,	68pF 0.1µF (B.P) 2.2µF / 50V 100pF 100pF 100pF 0.068µF 1µF / 50V 1µF / 50V 0.068µF			E226 E227 E228 E229 E230 E231 E232	23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W15	ELY., ELY., ELY., ELY., ELY.,	10μF / 16V 10μF / 16V 10μF / 16V 10μF / 16V 10μF / 16V 1μF / 50V
	C035 C040 C042 C043 C201 E201 E201 C202 E202 E202 C203 E203	08T15807W05 23T82372F19 08S65128F35 08S65128F35 08S65128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 23S75372W15 08T35122W07	CP., ELY., CP., CP., CP., ELY., ELY., ELY.,	0.1µF (B.P) 2.2µF / 50V 100pF 100pF 100pF 0.068µF 1µF / 50V 1µF / 50V			E227 E228 E229 E230 E231 E232	23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W04 23\$75372W15	ELY., ELY., ELY., ELY.,	10μF / 16V 10μF / 16V 10μF / 16V 10μF / 16V 1μF / 50V
	C035 C040 C042 C043 C201 E201 E201 C202 E202 E202 C203 E203	23T82372F19 08S65128F35 08S65128F35 08S65128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., CP., CP., CP., ELY., ELY., ELY., ELY.,	(B.P) 2.2µF / 50V 100pF 100pF 100pF 0.068µF 1µF / 50V 1µF / 50V			E228 E229 E230 E231 E232	23575372W04 23575372W04 23575372W04 23575372W15	ELY., ELY., ELY., ELY.,	10μF / 16V 10μF / 16V 10μF / 16V 1μF / 50V
404 404 0 4 0	C040 C042 C043 C201 E201 E201 C202 E202 E202 C203 E203	08565128F35 08565128F35 08565128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., CP., CP., CP., ELY., ELY., ELY., ELY.,	100pF 100pF 100pF 0.068µF 1µF / 50V 1µF / 50V			E229 E230 E231 E232	23\$75372W04 23\$75372W04 23\$75372W15	ELY., ELY., ELY.,	10μF / 16V 10μF / 16V 1μF / 50V
404 404 0 4 0	C042 C043 C201 E201 E201 C202 E202 E202 C203 E203	08S65128F35 08S65128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., CP., CP., ELY., ELY., ELY., ELY.,	100pF 100pF 0.068µF 1µF / 50V 1µF / 50V			E230 E231 E232	23575372W04 23575372W15	ELY., ELY.,	10μF / 16V 1μF / 50V
404 404 0 4 0	C043 C201 E201 E201 C202 E202 E202 C203 E203	08S65128F35 08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., CP., ELY., ELY., CP., ELY.,	100pF 0.068µF 1µF / 50V 1µF / 50V 0.068µF			E231 E232	23575372W15	ELY.,	1µF / 50V
404 404 0 4 0	C201 E201 E201 C202 E202 E202 C203 E203	08T35122W11 23S75372W15 23S75372W15 08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., ELY., ELY., CP., ELY., ELY.,	0.068µF 1µF / 50V 1µF / 50V 0.068µF			E232			•
	E201 E201 C202 E202 E202 C203 E203	23\$75372W15 23\$75372W15 08T35122W11 23\$75372W15 23\$75372W15 08T35122W07	ELY., ELY., CP., ELY., ELY.,	1μF / 50V 1μF / 50V 0.068μF				235/5372W04	ELY.,	10uF / 16V
Δ Δ D Δ D	C202 E202 E202 E202 C203 E203	23\$75372W15 08T35122W11 23\$75372W15 23\$75372W15 08T35122W07	CP., ELY., ELY.,	1μF / 50V 0.068μF					1 1	•
404 0 4 0	C202 E202 E202 C203 E203	08T35122W11 23S75372W15 23S75372W15 08T35122W07	CP., ELY., ELY.,	0.068µF			E233	23\$75372W04	ELY.,	10μF / 16V
	E202 E202 C203 E203	23575372W15 23575372W15 08T35122W07	ELY., ELY.,	•		П	E234	23\$75372W04	ELY.,	10µF / 16V
	E202 C203 E203	23\$75372W15 08T35122W07	ELY.,	1::F / 50\/		Ш	E235	23S75372W04	ELY.,	10μF / 16V
	C203 E203	08T35122W07				Ш	E236	23T55405W15	ELY.,	1µF / 50V
	E203			1µF / 50V		Ш	E237	23T55405W15	ELY.,	1µF / 50V
Δ		23S75372W02	,	0.033µF		Н	E238	23T55405W15	ELY.,	1µF / 50V
	E203		ELY.,	100µF / 10V			E239	23T55405W15	ELY.,	1μF / 50V
		23\$75372W03	ELY.,	220µF / 10V			E240	23\$75372W04	ELY.,	10μF / 16V
	C204	08T35122W07	PF.,	0.033µF		П	E241	23575372W04	ELY.,	10μF / 16V
	E204	23\$75372W14		0.68µF / 50V		I	E242	23S75372W04	ELY.,	10μF / 16V
	E204	23575372W10	ELY.,	0.1μF / 50V	1		E243	23575372W04	ELY.,	
	C205	08T55390W14	PF.,	5600pF			E244	23T55378W01	ELY.,	10μF / 16V 220μF / 10V
	E205	23575372W14	ELY.,	0.68µF / 50V			E245	22755278\4/04	ELV	222 = / 4414
	E205	23S75372W10	ELY.,	•				23T55378W01	ELY.,	220μF / 10V
	C206	08T55390W14	,	0.1μF / 50V	- 1		C501	08S65128F69	CP.,	0.01µF
	E206	23S75372W15	,	5600pF			E501	23S75372W02	ELY.,	100μF / 10V
			ELY.,	1μF / 50V		1	C502	08T15399W01	CP.,	0.022µF
	E206	23575372W15	ELY.,	1μF / 50V			E502	23\$75372W02	ELY.,	100µF / 10V
	E207	23\$75372W05	ELY.,	22µF / 16V			C503	08582122F15	CP.,	12pF
	E207	23\$75372W04	ELY.,	10µF / 16V			E503	23\$75372W04	ELY.,	10μF / 16V
- 1	E208	23\$75372W15	ELY.,	1μF / 50V			C504	08S82122F15	CP.,	12pF
	E209	23\$75372W09	ELY.,	4.7µF / 35V			E504	23575372W02	ELY.	100µF / 10V
-   1	E210	23\$75372W09	ELY.,	4.7µF / 35V			E506	23\$75372W12	ELY.,	0.33µF / 50
ı	E211	23575372W09	ELY.,	4.7µF / 35V			E510	23S75372W02	ELY.,	100µF / 10V
F	E212	23S75372W09	ELY.,	4.7µF / 35V	- 1		C514	08T15399W01	CP.,	0.022µF
	C213	08T65020W07	CP.,	0.15µF	- 1	1	C515	08S82122F23	CP.,	27pF
E	E213	23\$75372W15	ELY.,	1µF / 50V	- 1		C516	08S82122F23	CP.,	27pF
(	C214		CP.,	0.15µF			C519	08565128F35	CP.,	100pF
,	E214	23\$75372W15	ELY	1µF / 50V		Δ	CE33			
			CP.,			Δ	C523	08565128F69	CP.,	0.01μF
			ELY.,	0.15µF			C524	08565128F47	CP.,	330pF
			CP.,	100µF / 10V			E801	23\$75372W10	ELY.,	0.1μF / 50V
- 1	- 1		CP.,	0.15µF 0.15µF			E802 E803	23\$75372W04   23\$75372W04	ELY., ELY.,	10µF / 16V
								200,007,24404		10μF / 16V
			ELY.,	1µF / 50V			C804	08S65128F69	CP.,	0.01µF
- 1			CP.,	0.15µF			E804	23T00149L26	ELY.,	220µF / 16V
			ELY.,	1μF / 50V			C805	08T15399W01	CP.,	0.022µF
			CP.,	0.15µF			E805	23T55378W01	ELY.,	220µF / 10V
E	219	23\$75372W15	ELY.,	1μF / 50V			C806		CP.,	0.022µF
c			CP.,	0.15µF			E806	23\$75372W04	ELY.,	10µF / 16V
E		23\$75372W07	ELY.,	47µF / 16V			C807	08S53332F67	CP.,	0.1μF
E			ELY.,	1μF / 50V			C808	08S53332F67	CP.,	,
			ELY.,	4.7µF / 35V			E810	23T00149L27		0.1µF
			ELY.,	100μF / 10V			E811		ELY., ELY.,	330µF / 16V 2200µF / 16V
L	224	23S75372W04	ELY.,	10uE / 16V			E043			
	/		I.,	10μF / 16V				23T35505W12   23S75372W15	ELY.,	2200µF / 16V 1µF / 50V

Notes: O: For TDM-7531R Model only, △: For TDM-7535R Model only, Others: Common.

							T		
Sy	mbol No.	Part No.		Description	Sy	mbol No.	Part No.		Description
	Resisto	ors (All resist	ors are o	hip 1/10W±5%	Ш	R070	06S64995F53		ohm
1		unless o	therwise	hip 1/10W±5% noted.)		R203	06564996F30	2.2M	ohm
			T		Δ	R203	06S64996F30	2.2M	
	R001	06S64995F77	10K	ohm		R204	06S64996F30	2.2M	ohm
	R002	06S64995F77	10K	ohm	Δ	R204	06S64996F30	2.2M	ohm
ı	R003	06S64995F77	10K	ohm	П				
ı	R004	06S64995F77	10K	ohm		R205	06S64995F61	2.2K	ohm
	R006	06S64995F81	15K	ohm	Δ	R205	06S64995F60	2K	ohm
						R206	06S64995F61	2.2K	ohm
1	R007	06S64995F61	2.2K	ohm	Δ	R206	06564995F60	2K	ohm
	R008	06S64995F61	i .	ehm		R207	06S64995F53	1K	ohm
	R009	06S64995F53		ohm	-				
	R012	06S64995F53	l .	ohm	Δ	R207	06S64995F61	2.2K	ohm
	R013	06564995F53		ohm		R208	06S64995F53		ohm
	1 4013	00304993133	"	Ollin	Δ	R208	06564995F61		ohm
ı	R014	06S64995F61	224	ohm	Ö	R209	06S64995F85		ohm
	R015	06564995F61		ohm		R210	06564995F92		ohm
1				ohm	_	12 10	30304333132	1	
	R016	06S64995F29		ohm	Δ	R210	06S64995F84	אחכ	ohm
	R017	06S64995F53		ohm		R211	06564995F69		ohm
	R018	06S64995F83	101	Onni	Δ	R212	06564995F37		ohm
	2040	00004000000	221/	ohm	Δ	R213	06S64995F79		ohm
1	R019	06S64995F85			$\Delta$		06564995F75	l .	ohm
	R020	06564995F71	ľ	ohm		R214	06564995775	0.2	Offin
	R021	06S64995F53		ohm	$\mathbb{H}_{\sim}$	2224	00004005570	124	ohm
	R022	06S64995F77	I	ohm	0	R221	06S64995F79	1	ohm
1	R023	06S64995F61	2.2K	ohm		R221	06\$64995F77		
1					Δ	R221	06S64995F77	1	ohm
	R024	06S64995F53		ohm	0	R222	06S64995F79		ohm
	R025	06S64995F93	1	oḥm		R222	06S64995F77	10K	ohm
	R026	06S64995F53	1	ohm	Ш				
ı	R027	06S64995F93	1	ohm	Δ	R222	06S64995F77		ohm
1	R028	06\$64995F61	2.2K	ohm	0	R223	06S64995F87		ohm
1						R223	06S64995F77	1	ohm
	R030	06S64995F77	10K	ohm	Δ	R223	06S64995F77	10K	ohm
	R031	06S64995F77	10K	ohm	0	R224	06S64995F87	27K	ohm
	R032	06S64996F02	100K	ohm					
1	R033	06S64995F81	15K	ohm		R224	06S64995F77	10K	ohm
	R034	06S64996F09	200K	ohm	Δ	R224	06S64995F77	10K	ohm
					Δ	R225	06S64995F37	220	ohm
ı	R035	06S64996F14	330K	ohm	Δ	R226	06S64995F37	220	ohm
	R036	06564995F29		ohm		R227	06S64995F37	220	ohm
	R037	06564995F79		ohm					
1	R038	06S64996F04	120K			R228	06S64995F37	220	ohm
1	R039	06S64995F13		ohm	Δ	1	06S64995F85		ohm
1	"""				Δ	R230	06S64995F85		ohm
	R040	06S64996F02	100K	ohm		R231	06564995F85	l .	ohm
1	R041	06564996F02	100K			R232	06S64995F85		ohm
1	R041	06564995F89		ohm		11232	00004000100		
				ohm	Δ	R233	06S64995F37	220	ohm
1	R043	06\$64995F89			Δ	R234	06564995F37		ohm
	R044	06564996F26	111/1	ohm	4	R235	06564995F37		ohm
	2045	06664006505	041/	ahm		1	1		ohm
_	R045	06S64996F01		ohm		R236	06S64995F37	1	ohm
O	R051	06S64995F85		ohm		R237	06S64995F85	221	VIIIII
Ô	R052	06S64995F85		ohm		0000	06664005505	221/	ohm
Ŏ	R053	06S64995F92		ohm		R238	06564995F85		ohm
0	R054	06S64995F92	43K	ohm		R239	06564995F85		ohm
					_	R240	06564995F85	1	ohm
1	R055	06S64995F69		ohm		R241	06S64995F69	4.7K	
	R060	06S64995F53		ohm		R241	06S64995F77	10K	ohm
	R061	06S64995F53		ohm					
1	R062	06\$64995F53	1K	ohm	Δ	R241	06S64995F77	10K	ohm
_						<u> </u>	222.14		

Notes: O: For TDM-7531R Model only, △: For TDM-7535R Model only, Others: Common.

Sy	mbol No.	Part No.		Description	S	ymbol No.	Part No.		Descript	ion
0	R242	06S64995F69	4.7K	ohm	Δ	R513	06\$64995F61	2.2K	ohm	
	R242	06S64995F77	10K	ohm	Ш	R514	06S64995F85	22K	ohm	
Δ	R242	06S64995F77	1	ohm	Ш	R515	06S64995F53	1 K	ohm	
0	R243	06S64995F69		ohm	Ш	R516	06S64995F53	1 1K	ohm	
	R243	06\$64995F77	1	ohm	H	R517	06S64995F62		ohm	
				•	Ш					
Δ	R243	06S64995F77	10K	ohm	H	R518	06564996F02		ohm	
0	R244	06S64995F69	4.7K	ohm		R519	06S64996F02	100K	ohm	
	R244	06S64995F77	10K	ohm	11	R520	06S64995F85	22K	ohm	
Δ	R244	06S64995F77	10K	ohm	11	R521	06S64995F69	4.7K	ohm	
	R245	06S64995F37		ohm	Ш	R522	06S64995F61	2.2K	ohm	
	R246	06S64995F37		ohm	H	R523	06S64995F53	1	ohm	
	R247	06S64995F37		ohm	11	R524	06S64995F53	1	ohm	
	R248	06S64995F37	220	ohm	<b>!</b>	R525	06S64996F02	1	ohm	
	R249	06S64995F67	3.9K	ohm	H	R526	06S64995F93	47K	ohm	
	R250	06S64995F67	3.9K	ohm	H	R527	06S64995F93	47K	ohm	
	D254	06564005563	3.04	a h m	Ш	R531	06S64995F93	474	ohm	
	R251	06S64995F67	1	ohm		R531			ohm	
	R252	06S64995F67	f .	ohm	Ш		06564995F93	1		
	R253	06S64995F57	1	oḥm	Ш	R533	06S64995F93	1	ohm	
	R254	06S64995F57		ohm	H	R537	06S64995F53	1	ohm	
	R255	06S64995F57	1.5K	ohm	Ш	R540	06564995F93	47K	ohm	
	R256	06S64995F57	1 5K	ohm		R544	06S64995F93	47K	ohm	
	R257	06564995F53		ohm	П	R550	06S64995F85	1	ohm	
		06564995F53		ohm	Ш	R551	06564995F77	1	ohm	
	R258				Ш	R552	06S70072F77	1	ohm 1/4	NAZ
	R259	06S64995F53	•	ohm ohm	Ш	R553	06S70072F77	ı	ohm 1/4	
	R260	06S64995F53	'	Onm	Ш	V222	06370072F77	100	Onin 1/4	vv
	R261	06S64995F57	1.5K	ohm	П	R554	06570072F77	10K	ohm 1/4	W
	R262	06S64995F57	1.5K	ohm		R556	06S70072F75	8.2K	ohm 1/4	w
	R263	06S64995F57	1	ohm		R557	06570072F75	8.2K	ohm 1/4	w
	R264	06S64995F57	4	ohm		R558	06S70072F75		ohm 1/4	
	R265	06S53331F40		ohm 1/8W		R559	06564995F77		ohm	
	R266	06S53331F40	2.2		Ш	R560	06S64995F77	1	ohm	
	R267	06S53331F40	2.2			R561	06S64995F77		ohm	
	R268	06\$53331F40	2.2	ohm 1/8W		R562	06S64995F77		ohm	
	R270	06S53331F40	2.2	ohm 1/8W		R563	06S64995F77	10K	ohm	
	R271	06\$53331F40	2.2	ohm 1/8W	H	R564	06S70072F53	1K	ohm 1/4	w
	R272	06\$53331F40	22	ohm 1/8W		R565	06S64996F02	100K	ohm	ſ
	R275	06553331F40		ohm 1/8W	Δ	R566	06564995F77		ohm	
						R567	06564995F93	1		
	R501	06S64995F41		ohm	Δ			ı	ohm	•
	R502 R503	06564995F89 06564995F93		ohm ohm		R568 R569	06S64995F85 06S64995F85	i	ohm ohm	ŀ
	V202	00304773773	4/1	OHIII		בטכזו	00304333703	241	OHIII	1
	R504	06S64995F93	47K	ohm		R570	06S53330F85	22K	ohm 1/8	w
	R505	06\$64995F93	47K	ohm		R571	06S70072F37	220	ohm 1/4	w
	R506	06S64995F69	4.7K	ohm		R573	06S64995F93	1	ohm	
0	R507	06\$64995F45		ohm		R574	06S64996F02	100K		
	R507	06S64995F53		ohm		R577	06564995F93		ohm	
Δ	R507	06S64995F53		ohm		R579	06S64995F53		ohm	l
	R508	06S64995F85		ohm		R580	06S64995F53	1	ohm	1
	R509	06S64995F93	47K			R581	06S64995F53	i	ohm	1
	R510	06564995F93		ohm		R582	06\$64995F53	1K	ohm	
Δ	R512	06564995F61	2.2K	ohm		R583	06S64995F53	1K	ohm	
	R513	06S64995F61	2.2K	ohm		R584	06S64995F53	11/	ohm	1
-	11313	00304333101	2.21	3/11/1		11304	00304333133	I K	Jillii	
					-					

Notes: O: For TDM-7531R Model only, □: For TDM-7532R Model only, Others: Common.

S	ymbol	Part No.		Desc	ription	s	ymbol	Part No.	Description
	No.				•	JL	No.	L	
	R585	06S64995F53		ohm				Eront	P. C. Board
	R586	06S64995F53		ohm		IL		FIOIL	P. C. Buaiu
	R587	06S64996F10	1	ohm			IC's		
	R588	06S64995F53	1	ohm		11_			
Δ	R589	06S70072F26	75	ohm	1/4W	Ш	IC401 IC402	51T55492W01 51T55246W02	LC75850W RPM-638CBL
	R590	06S64995F77	10K	ohm		11			
	R591	06564995F61	1	ohm		11	j		
	R593	06S64995F53	1	ohm			<del>'</del>		
	R594	06S64995F53	1	ohm		Ш	ırar	sistors	
	R595	06564995F53	1	ohm		$\wedge$	Q451	48T63788F04	CP., 2SD1328
						$\overline{\Delta}$	Q452	48T63788F04	CP., 2SD1328
	R596	06S64995F53	1 1K	ohm		Δ	Q453	48T63788F04	CP., 2SD1328
0	R801	06570072F69		ohm	1/4\//	Δ	Q454	48T63788F04	CP., 2SD1328
	R801	06S70072F69	1	ohm		Δ	Q455	48T63788F04	CP., 25D1328
	R801	06570072F66		ohm		114	Q433	40103700704	CP., 23D 1320
4	R803	06S53330F69	1	ohm		^	OAES	48T63788F04	CD 25D1229
	17003	0033330103	4.78	onm	I/OVV		Q456	40103/00104	CP., 2SD1328
1	R804	06S53330F77	1	ohm					
ı	R805	06S70072F45	470	ohm	1/4W		1		
1	R806	06S64995F77		ohm			Dioc	les	
1	R807	06570072F61	2.2K	ohm	1/4W		7		
	R808	06S64995F77	10K	ohm			D401	48T64134F01	CP., DA204K
						Ш	D402	48T64134F01	CP., DA204K
	R809	06S70072F03	6.8	ohm	1/4W	Ш	D403	48T64134F01	CP., DA204K
	R810	06S70072F03	6.8	ohm	1/4W	H	D404	48T64134F01	CP., DA204K
	R811	06S70072F03	6.8	ohm	1/4W	11			
	R812	06S64995F77	1	ohm		11			
	R813	06S64995F77		ohm			LED'	s	
ŀ	0044	00070070555	4 5.4	. l	4 / 4\ 4 /	11-	1000	40755477746	CD CAN 040075/0503
1	R814	06\$70072F57	1	ohm		Δ	LD401	48T65477W01	CP., SML-010DT2(ORG)
	R815	06\$53330F77		ohm	1/877	11.	LD402	1	CP., SML-010PT(GRN)
	R816	06564996F02	100K		4 / 45.8.4	Δ	LD403	48T65477W02	CP., SML-010LT(RED)
	R817	06S70072F40		ohm					
	R818	06S70072F57	1.5K	ohm	1/4W	$\parallel$	Consti	<u></u>	
	R819	06S70072F57	1.5K	ohm	1/4W		Swit	cnes	
	R820	06S70072F57	1	ohm			S410	40T55656W03	CP. Tact, SKQMAJ (POW)
	R821	06S64995F77	1	ohm			5411	40T55656W03	CP. Tact, SKQMAJ (AUDIO DN)
	R822	06\$70072F57		ohm	1/4W		5411	40T55656W03	
	R824	06S70072F57		ohm			5412		CP. Tact, SKQMAJ
						$\Pi$			(TUNER BAND / PTY)
	R825	06S64995F77	10K	ohm			5412	40T55656W03	
	R831	06S64995F65	3.3K					1.5.555551105	(TUNER BAND / PTY)
	R832	06S64995F53		ohm		H			TOTAL DAILO / FTT)
	R833	06570072F61	1	ohm	1/4W	٨	5412	40T55656W03	CP. Tact, SKQMAJ
	R834	06S64995F77	1	ohm	.,	114	17712	7010300003	(TUNER / BAND)
		JUJU-1333F11	101	Othill			5414	40T55656W03	
	R835	06570072F41	330	ohm	1/4W		5414	40T55656W03	, , , , ,
	R836	06553330F73		ohm			5414	1	
	VR201	18T15356W13	Variable,				S414 S415	40T55656W03	CP. Tact, SKQMAJ (1 / DOLBY B·C) CP. Tact, SKOMAJ (2)
	VR201	18T15356W13	Variable, Variable,			$\Pi^{\circ}$	3412	40T55656W03	Cr. Tact, SKUIVIAJ (2)
	VR201	18T15356W13	Variable, Variable,				CATE	AOTEGGGAAOS	CD Tack SKOMAL (2 / D.S. DAL)
_	V1/202	101 1333000 15	variable,	IUN OF	1111		S415	40T55656W03	
,	VP202	107153561443	Variable	10V -			5415	40T55656W03	
Δ	VR202	18T15356W13	Variable,	IUK on	ım		S416	40T55656W03	
							5416	40T55656W03	
						Δ	S416	40T55656W03	CP. Tact, SKQMAJ (3 / P.S UP)
							S417	40T55656W03	CP. Tact, SKQMAJ (6 / PROG)
						Δ	5418	40T55571W01	CP. Tact, SKQAXX(AUDIO DN)
l I							S420	40T55656W03	CP. Tact, SKQMAJ (RDS)

Notes: O: For TDM-7531R Model only, □: For TDM-7532R Model only, Others: Common.

•	mbol No.	Part No.	Description	S	mbol No.	Part No.		Description	
	S421	40T55656W03	CP. Tact, SKQMAJ (TAPE · PLAY / PAUSE)		Resisto	ors (All resist	tors are o	chip 1/10W noted.)	±5%
0	5422	40T55656W03	CP. Tact, SKQMAJ (AUDIO UP)	I⊢		T	1	,	
- 1	5422	40T55656W03	CP. Tact, SKQMAJ (AUDIO UP)	11	R401	06S64995F79	12K	ohm	
_ 1	5423	40T55656W03	CP. Tact, SKQMAJ	П	R402	06S64995F77		ohm	
	3 142	1.0.00000000000000000000000000000000000	(MODE / LOUD)	Ш	R403	06S64995F77	1	ohm	
	5425	40T55656W03	CP. Tact, SKQMAJ	П	R404	06S64995F77	1	ohm	
	J+4 Z J	401330300003	(DISC · PLAY / PAUSE)		R405	06564995F77		ohm	
	S426	ACTESCECIANOS	CP. Tact. SKOMAJ (4)		R406	06\$64995F53	11/	ah	
- 1		40T55656W03		П			1	ohm	
-	S426	40T55656W03		Ш	R407	06564995F79	1	ohm	
	5426	40T55656W03	CP. Tact, SKQMAJ (4 / B.SKIP)	Н	R408	06\$64995F71		ohm	
	5427	40T55656W03	, , , ,	Ш	R411	06S64995F55		ohm	
Δ	S428	40T55571W01	CP. Tact, SKQAXX (AUDIO UP)		R412	06564995F57	1.5K	ohm	
	S430	40T55656W03	, , , ,		R413	06S64995F61		ohm	
) I	5431	40T55656W03	CP. Tact, SKQMAJ (T.INFO / MIX)		R414	06S64995F65	3.3K	ohm	
]	S431	40T55656W03	CP. Tact, SKQMAJ (T.INFO / MIX)	П	R415	06S64995F71	5.6K	ohm	
△│	5431	40T55656W03	CP. Tact, SKQMAJ (SCAN / MIX)	l I	R416	06S64995F78	11K	ohm	
	S432	40T55656W03	CP. Tact, SKQMAJ (M.S CD·DN / REW)		R417	06S64995F89	33K	ohm	
			(IVI.3 CD-DIN / KEVV)		DATE	06664005555	1 124	a h ==	
	C422	40755650400	CD To the CKONAN		R421	06\$64995F55		ohm	
	S433	40T55656W03	,	Н	R422	06564995F57		ohm	
			(TUNE-A.MEMO / REPEAT)	Н	R423	06S64995F61		ohm	
-	S434	40T55656W03	CP. Tact, SKQMAJ	Ш	R424	06S64995F65	1	ohm	
			(M.S. CD·UP / FF)		R425	06S64995F71	5.6K	ohm	
- 1	\$435	40T55656W03	CP. Tact, SKQMAJ (T.INFO)						
2	S436	40T55656W03	CP. Tact, SKQMAJ (PTY)		R426	06564995F78	11K	ohm	
					R427	06S64995F89	33K	ohm	
- 1					R431	06S64995F55	1.2K	ohm	
					R432	06S64995F57	150	ohm	
- 1		1					1.56		
					R433	06S64995F61	[	ohm	
	Lam	ps					2.2K		
 	Lamı PL451	ps 65T75231W02	9V-85mA	Δ	R433	06S64995F61	2.2K 3.3K	ohm	
	PL451	65T75231W02		△ <	R433 R434 R435	06S64995F61 06S64995F65 06S64995F71	2.2K 3.3K 5.6K	ohm ohm	
	PL451 PL452	65T75231W02 65T75231W01	9V-85mA	44	R433 R434 R435 R436	06S64995F61 06S64995F65 06S64995F71 06S64995F78	2.2K 3.3K 5.6K 11K	ohm ohm ohm	
2	PL451 PL452 PL454	65T75231W02 65T75231W01 65T75233W01	9V-85mA CP., 6V-80mA		R433 R434 R435 R436 R441	06564995F61 06564995F65 06564995F71 06564995F78 06564995F53	2.2K 3.3K 5.6K 11K 1K	ohm ohm ohm ohm	
2	PL451 PL452	65T75231W02 65T75231W01	9V-85mA		R433 R434 R435 R436	06S64995F61 06S64995F65 06S64995F71 06S64995F78	2.2K 3.3K 5.6K 11K 1K	ohm ohm ohm	
7	PL451 PL452 PL454 PL455 PL456	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA		R433 R434 R435 R436 R441 R442	06564995F61 06564995F65 06564995F71 06564995F78 06564995F53 06564995F53	2.2K 3.3K 5.6K 11K 1K 1K	ohm ohm ohm ohm ohm ohm	
77	PL451 PL452 PL454 PL455 PL456	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA		R433 R434 R435 R436 R441 R442	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53	2.2K 3.3K 5.6K 11K 1K 1K	ohm ohm ohm ohm ohm	
77	PL451 PL452 PL454 PL455 PL456 PL457 PL458	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04	2.2K 3.3K 5.6K 11K 1K 1K	ohm ohm ohm ohm ohm ohm	
7	PL451 PL452 PL454 PL455 PL456	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA		R433 R434 R435 R436 R441 R442 R443	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53	2.2K 3.3K 5.6K 11K 1K 1K 1K 1K 1C	ohm ohm ohm ohm ohm ohm	
4	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04	2.2K 3.3K 5.6K 11K 1K 1K 1K 1K 1C 120K 20	ohm ohm ohm ohm ohm ohm ohm	
4	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451	06564995F61 06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53	2.2K 3.3K 5.6K 11K 1K 1K 1K 1C 120K 20 8.2	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
77 77 7	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454	06564995F61 06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 20 8.2	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455	06564995F61 06564995F65 06564995F71 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456	06564995F61 06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 22 33	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457	06564995F61 06564995F65 06564995F71 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 22 22 27	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457	06564995F61 06564995F65 06564995F71 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F15 06570072F15	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 22 22 22 22	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457	06564995F61  06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564995F04 06570072F12 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 22 22 33 27	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
44 44	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460	06564995F61  06564995F65 06564995F71 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F04 06570072F12 06570072F13 06570072F13 06570072F15 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 33 27 22 30 22	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA CP., 6V-80mA	Δ Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457	06564995F61  06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564995F04 06570072F12 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 33 27 22 30 22	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA	Δ Δ Δ	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R463	06564995F61  06564995F65 06564995F71 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F04 06570072F12 06570072F13 06570072F13 06570072F15 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 33 27 22 30 22 22 2.2K	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466 Capa	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA	4 44 4	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R463	06564995F61  06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 23 33 27 22 30 22 2.2K 2.2K	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA	4 44 44	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R463	06564995F61  06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06570072F12 06570072F13 06570072F13 06570072F15 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F15	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 33 27 22 22 22 22 22 22 22 22 22 22 22 22	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	
	PL451 PL452 PL454 PL455 PL456 PL457 PL458 PL459 PL460 PL461 PL462 PL463 PL464 PL465 PL466 Capa	65T75231W02 65T75231W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01 65T75233W01	9V-85mA CP., 6V-80mA	4 44 4	R433 R434 R435 R436 R441 R442 R443 R444 R445 R451 R452 R453 R454 R455 R456 R457 R458 R459 R460 R461 R463	06564995F61  06564995F65 06564995F78 06564995F53 06564995F53 06564995F53 06564995F53 06564995F53 06564996F04 06570072F12 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13 06570072F13	2.2K 3.3K 5.6K 11K 1K 1K 1K 120K 20 8.2 22 22 23 33 27 22 30 22 2.2K 2.2K	ohm ohm ohm ohm ohm ohm ohm ohm ohm ohm	

Notes: O: For TDM-7531R Model only, □: For TDM-7532R Model only, Others: Common.

Sy	mbol No.	Part No.		Description	S	ymbol No.	Part No.		Description
Δ	R468	06\$64995F61	2.2K	ohm	E1	206	23S61523F17	ELY.,	4.7µF / 25V
	R469	06S70072F13	22	ohm 1/4W	or		23T55402W20	ELY.,	4.7µF / 25V
Δ	R472	06S70072F43	390	ohm 1/4W	- 11				
_	R473	06S70072F43	390	ohm 1/4W	- 11				
	R476	06S70072F17	33	ohm 1/4W	- 11				
_					- 11				
	R477	06S70072F15	27	ohm 1/4W					
	R478	06S70072F13	22	ohm 1/4W					
Δ	R479	06570072F17		ohm 1/4W		Resisto	rs (All resist	ors are c	hip 1/8W $\pm$ 5% oted.)
_	R480	06S70072F13	22	ohm 1/4W			unless oth	erwise n	oted.)
	R481	06570072F13	22	ohm 1/4W	R1	201	06S53330F29	100	ohm
ı	11.401	000,00,2.			R1	202	06S53330F65	3.3K	ohm
Δ	R482	06S70072F26	75	ohm 1/4W	R1	203	06\$53330F32	130	ohm
4	R483	06S64996F02	100K		R1	204	06S53330F32	130	ohm
		06570072F13		ohm 1/4W		205	06S64996F14	330K	ohm1/10W
	R485	003/00/2513		51III 1/444	11 "				
1					p1	1206	06S64996F14	330K	ohm1/10W
ı						207	06564995F78		ohm1/10W
						208	06S53330F78		ohm
1						1209	06S53330F81		ohm
•	1							1	ohm
1					RI	1210	06S53330F81	136	Olim
l							0.5557777555	774	ohm
<u> </u>	L				R1	1211	06553330F65	3.3	Onin
1		GR Conti	rol P	C Roard				1	
		J GR Conta	01 1.	C. Doald					
Г	IC's								
	10.3							į	
	IC1201	51T64606F02	TA7705F						
ı	IC1701	51T25621W02	AN6275NK	(					
ı				*	11_				
ı						-	. CD C	hard D	C Doord
							△ GR Con	troi P.	C. Board
	Trans	sistor / Diode					Transistors		
	Q1701	48T84366F05	2SB1243			1501	51T25621W02	IC, AN627	
	D1201	48T44813F01	Diode, Ma	A165TA		1502	51T67915F01	IC, M5114	BAL
					Q:	1501	48T84366F05	2SB1243	
ı					Q1	1502	48T94606F12	CP., DTC1	44TU
ı									
1									
	Capa	citors							
	C1201	08S53332F31	CP.,	470pF			.'.		
		23S82482F02	ELY.,	100µF / 16V	11	Capa	citors		
	E1201			470pF	E1	1501	23S61524F32	ELY.,	1µF / 50V
	C1202	08S53332F31	CP.,		or		23T55521W34	ELY.,	1µF / 50V
ĺ	E1202	23S61523F12	ELY.,	10μF / 16V	3 1		08T35374W01	CP.,	0.1μF
1	or	23T55402W15	ELY.,	10µF / 16V		1502	l .	CP., CP.,	0.1µF
1						1503	08T35374W01		0.1µF
1	C1203	08553332F31	CP.,	470pF	C1	1504	08T35374W01	CP.,	υ. ιμε
	E1203	23S61523F07	ELY.,	47µF / 6.3V				60	45-5
1	or	23T55402W07	ELY.,	47µF / 6.3V	C1	1505	08S65128F15	CP.,	15pF
ı	C1204	08S53332F31	CP.,	470pF				[	
1	E1204	23S61523F07	ELY.,	47µF / 6.3V					
	or	23T55402W07	ELY.,	47µF / 6.3V	11—		L	<u> </u>	L: 4/40\A/J-F0/
1			,		11	Resisto	rs (All resist	ors are o	hip 1/10W±5%
1	C1205	08S53332F48	CP.,	0.012µF			uniess o	therwise	
	E1205	23561523F17	ELY	4.7µF / 25V	R1	1501	06S64995F77		ohm
	1	23T55402W20	ELY.,	4.7µF / 25V		1502	06S64995F77	10K	ohm
	lor	1431334028840	'			1503	06564996F10		ohm
	or	08623333540	I CD	0.01705					
	or C1206	08S53332F48	CP.,	0.012µF	2 1			1M	ohm
		08S53332F48	CP.,	0.012μΕ	2 1	1504	06S64996F26	1M	ohm
		08\$53332F48	CP.,	0.012μF	2 1			1M	ohm

Notes: O: For TDM-7531R Model only,

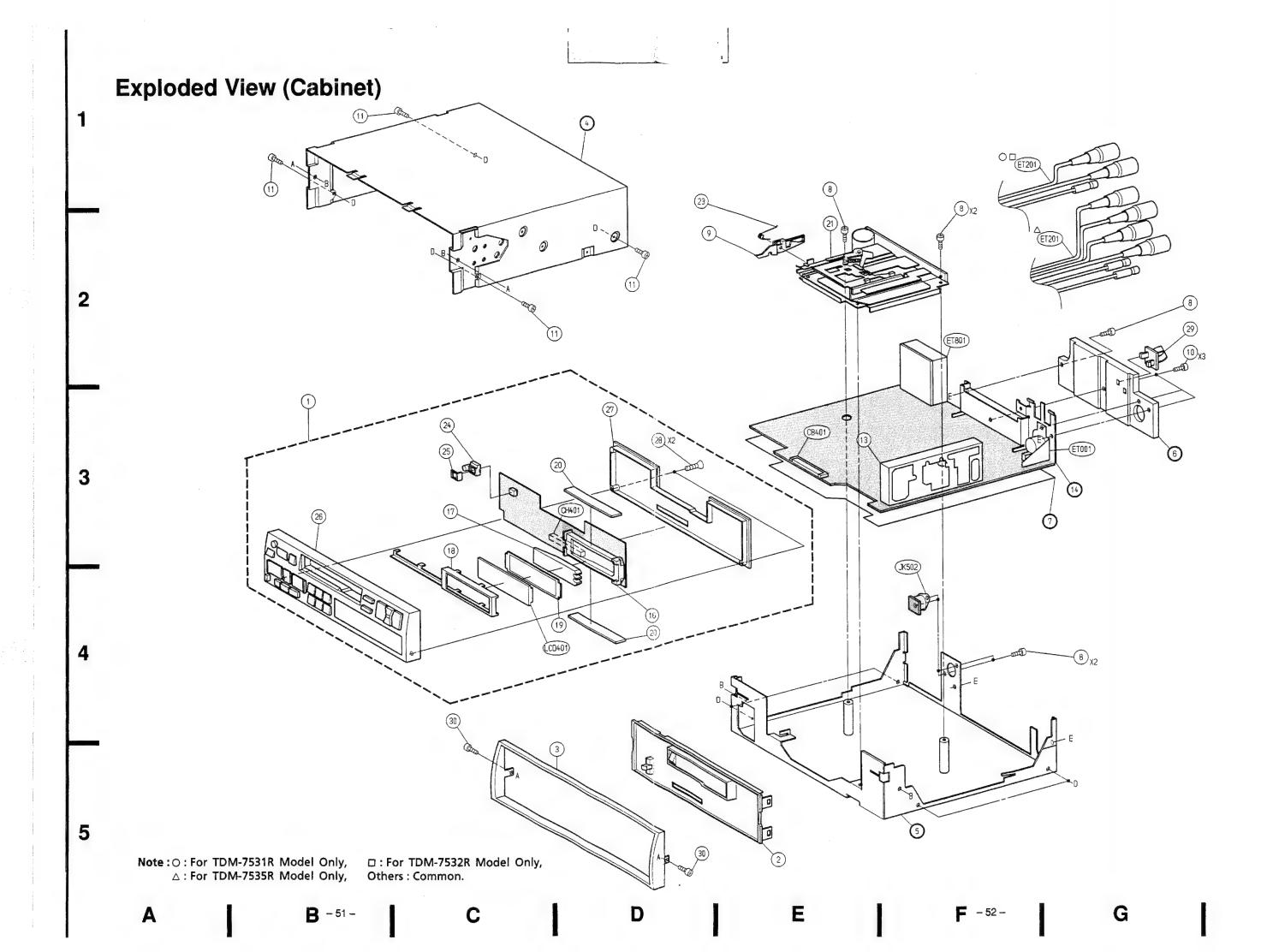
∆: For TDM-7535R Model only,

Others: Common.

Symbol No.	Part No.	Description		Symbol No.	Part No.	Description
R1505 R1506	06S64996F18 06S64996F01	470K ohm 91K ohm			Misc	ellaneous
			0	CB401 CB401 CH401	09T75038W14 09T75038W14 09T75038W16 09T75039W16	16Pin Connector 16Pin Connector 16Pin Connector 16Pin Connector
Ε	□△ GR Auc	dio P. C. Board		ET001	09T55211W01	Antenna Receptacle
IC / D	iode		C	ET201	01T55244W05	Assy., Connectors (Rear Output RCA Connectors
IC1201 D1201	51T15146W01 48T44813F01	IC, TA7705P MA165TA		ET201	01T55244W05	/ Remote Turn-On Lead) Assy., Connectors (Rear Output RCA Connectors / Remote Turn-On Lead)
				ET201	01T55244W07	Assy., Connectors (Front / Rear Output RCA Connectors / Audio Interrupt In
	23561524F13	ELY., 10µF / 10	V	ET801	01T75292W01	Lead / Remote Turn-On Lead) Assy., ISO Connector
E1201 or	23T55521W15	ELY., 10µF / 10	v		88T10373W02	(Open / Speaker Output / Power) Head
C1202 E1202	08S72783F27 23S61524F08	CP., 220 <sub> </sub> ELY., 100µF / 6.3	V			
or	23T55521W07	ELY., 100μF / 6.3	Δ	HD1101	88T15971W02 88T15971W02	Head Head
C1203 E1203	08572783F27 23561524F08	CP., 220 <sub>1</sub> ELY., 100μF / 6.:	v		01V53200W99	Assy., Main Motor (13.2V-105mA)
or C1204	23T55521W07 08S72783F27	ELY., 100μF / 6.: CP., 220		M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
E1204 or	23582482F02 23T55521W19	ELY., 100μF / 10 ELY., 100μF / 10	v 🗅	M1501	01V51800W42	Assy., Main Motor (13.2V-105mA)
C1205	08\$ <b>72</b> 783F27	CP., 220 <sub> </sub>		JK502	09T16653W01	DIN Connector
E1205	23S61524F18	ELY., 4.7µF / 2!		LCD401 PT1501		LCD Display Sensor, Photo ON2170-R
or E1206	23T55521W20 23S61524F18	ELY., 4.7µF/2! ELY., 4.7µF/2!		\$1501	40T15222W01	Switch, Detector (PACK IN)
or	23T55521W20	ELY., 4.7μF / 25		\$1502	40T15382W01	Switch, Detector (PACK DOWN)
C1208	08T35122W02	TF, 0.012p		S1503 SD1501	40T15382W01 01T10369W02	Switch, Detector (METAL) Assy., Eject Solenoid
C1209	08T35122W02	TF, 0.012 <sub>1</sub>		SD1502	01T15249W01	Assy., Play Solenoid Assy., RF Solenoid
Resisto	ors (All resist	ors are chip 1/10W herwise noted.)	±5%			
R1201	06S53330F29	100 ohm 1/8W				
R1202	06S53330F32	130 ohm 1/8W				
R1203 R1204	06S53330F32 06S64996F14	130 ohm 1/8W 330K ohm				·
R1204	06564996F14	330K ohm				
R1208	06564995F79	12K ohm				
R1209	06S64995F79	12K ohm	- 11			
R1210	06564995F81	15K ohm				
R1211 R1212	06S64995F81 06S64995F65	15K ohm 3.3K ohm				
R1213	06S53330F65	3.3K ohm 1/8W				
R1214	06S53330F85	22K ohm 1/8W				
	06S64995F85	22K ohm	11	ī		l .

Notes: ○: For TDM-7531R Model only, □: For TDM-7532R Model only,

△: For TDM-7535R Model only, Others : Common.



# **Cabinet Assembly Parts List**

Note: No parts number on parts list are not supplied.

_				Note	NO part	SHull	iber on parts	list are not supplied.
	mbol No.	index	Part No.	Description	Symbol No.	Index	Part No.	Description
0 0 4	1 1 1 2 3	3-B 5-E	01V71800W61 01V71800W56 01V71700W43 13C70374W01 33C70276W01	Assy., Nose Unit				
	8 9 10 11 13	2-D 2-G 3-E	03544205G29 45C61079W01 03538013W02 03538013W24 77B60578W01	Screw, Pan (M2.6×14) Screw, Pan (M2.6×6)				
	16 17 18 19 20	4-D 3-C 3-C 4-D	15B70308W01 61A70307W01 15B70852W01 26A70309W01 75T75143W01	Lens, LCD Cover, LCD				
004	21 21 21 23 24	2-E 2-E 2-E 1-D 3-C	81D40887W02 81D40887W02 41A20424W01	Cassette Deck, GR75H110 Cassette Deck, GR75H120 Cassette Deck, GR75H120 Spring, Door Spacer, Remote				
004	25 26 26 26 27	3-C 3-B 3-B 3-B 3-D		Assy., Nosepiece Assy., Nosepiece Assy., Nosepiece				
	28 29	3-D 2-G	03568555F39 15A70387W01					0
	30		03538013W13	Screw, Bind (M2.6×6)				

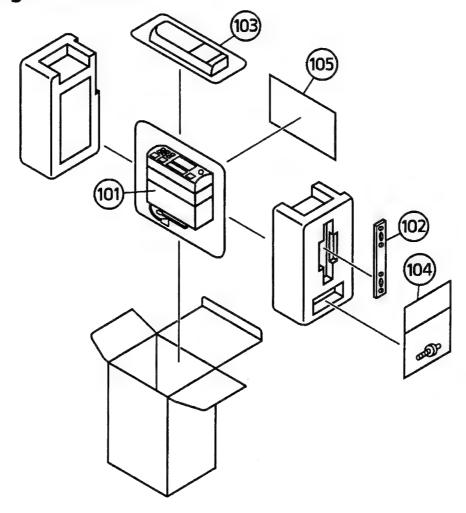
Notes: ○: For TDM-7531R Model only, □: For TDM-7532R Model only,

△: For TDM-7535R Model only, Others : Common.

# **Packing Assembly Parts List**

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
101	15D50406W01	Case, Inner			
102	07B64552F01	Bracket, Strap Receiver			
103	15D60773W01	Carring Case			
104-1	02B47353F01	Nut, Hex. (M5)			
104-2	03572235F13	Screw, Countersink (M5×8)			
104-3	46A42363F01	Stud, Bolt			
104-4	36A11113W01	Cap, Rubber (A)			
104-5	03A11112W01	Bolt, Hex. (M5)			
104-6	01T75363W01	JASO / ISO Antenna Adaptor			
105	68P61329W47	Owner's Manual			

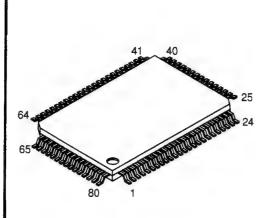
# **Packing Method View**



## **Semi - Conductor Lead Identifications**

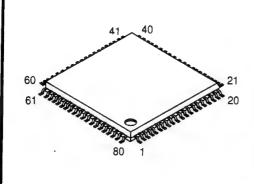
Note: For the parts not mentioned, refer to the Schematic Diagram.





PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	I/Q	PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0
1	NOSE ON	1	21	NC	-	41	LED IND	0	61	GND	-
2	AVREF	1	22	PWR IC ON	0	42	LCD CLK	0	62	GND	-
3	V <sub>DD</sub>	-	23	POWER CONT	0	43	GRIVORG	0	63	GND	-
4	Voo	-	24	A.MUTE	0	44	LCD DATA	0	64	GND	-
5	AV REFOUT	0	25	NC	-	45	LCD INH	0	65	GND	-
6	PLAY SOL	0	26	NC	-	46	DTS MUTE	1	66	GND	-
7	RFSOL	0	27	NC	-	47	ACC+5	1	67	GND	_
8	EJECT SOL	0	28	IN INT	1	48	CHG D-IN	1	68	GND	_
9	MOTOR CONT	0	29	CHG D-OUT	0	49	REMOCON	1	69	GND	_
10	O.MOTOR	0	30	E.VOL.CLK	0	50	DTS STATUS	ı	70	GND	_
11	FOR/REV	0	31	E.VOL.DATA	0	51	DTS CMD	0	71	GND	_
12	O.FAST	0	32	NC	-	52	DTS SCK	0	72	GND	_
13	PACK IN	ı	33	GINID	-	53	BATT+5V	ı	73	GND	_
14	M.S.DET	-1	34	NC	_	54	GND	_	74	GND	_
15	GND	-	35	DOLBY C	0	55	GND	_	75	GIND	_
16	GND	-	36	DOLBY B	0	56	NC	-	76	PACK DOWN	1
17	GND	-	37	LCD CE	0	57	GND	-1	77	RUNDET	1
18	AREA 0	1	38	DTS CE	0	58	X1	1	78	KEY-IN ADO	1
19	AREA 1	1	39	DTS START	0	59	X2	0	79	KEY-IN AD1	1
20	TP ALARM	0	40	NOSE POWER	0	60	RESET	i	80	KEY-IN AD2	1

75099W04: IC504

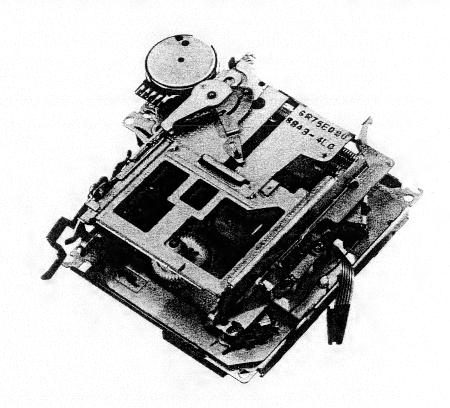


		1	Τ	1			T		7		
PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/0	PIN NO.	CODE ADDRESS	1/
1	LW	0	21	NC	-	41	NC	-	61	RDS CLK	
2	LO/DX	0	22	NC	_	42	NC	-	62	RDS DATA	1
3	NC	-	23	NC	-	43	NC	-	63	DTSCE	1
4	AVSS	-	24	NC	-	44	NC	-	64	NC	-
5	LPF SW	0	25	NC	-	45	NC	-	65	NC	T-
6	IF MUTE	0	26	NC	_	46	NC	_	66	NC	-
7	AV <sub>REF1</sub>	ı	27	NC	-	47	NC	-	67	50K REF	C
8	PLL UP	-	28	NC	-	48	NC	-	68	VDD	-
9	NC	-	29	NC	-	49	NC	_	69	X2	0
10	NC	-	30	NC	_	50	NC	-	70	X1	1
11	PLL CLK	0	31	NC	-	51	NC	_	71	Vss	-
12	PLL DATA	0	32	NC	-	52	NC	-	72	NC	_
13	PLL CE	0	33	VSS	-	53	NC	_	73	PLL D-IN	1
14	DTS MUTE	0	34	NC	-	54	NC		74	AVDD	_
15	DTSSTART	i	35	NC	-	55	NC	-	75	AV <sub>REF0</sub>	1
16	DTSCMD	1	36	NC		56	NC	_	76	S.METER	1
17	DTSSTATUS	0	37	NC	-	57	NC	-	77	ADJ-ON	ī
18	DTSCLOCK	1	38	NC	-	58	FWAM	0	78	MULTI PATH	ı
19	NC	-	39	NC	-	59	AUDIO IN	1	79	डा	1
20	NC	-1	40	NC	_	60	RESET	1	80	SD	1

# ILPINE SERVICE MANUAL

Exploded View & Parts List For Cassette Deck Mechanism

# **ADDENDUM & REVISED**



GR SERIES

Contents —	
List of Usable Lock Washers	3
List of Usable Oil	3
List of Usable Jigs	3
Disassembly, Assembly and Replacement of Functional Parts	5 to 16
Exploded View (Cassette Deck)	17 to 18
Cassette Deck Assembly Parts List	19 to 20

## **List of Usable Lock Washers**

	SIZE	PARTS NO.	QUANTITY
1	$(M1.2 \times 3.5 \times 0.25)$	04A41345P01	8
2	$(M1.7 \times 3.5 \times 0.25)$	04A41345P02	1
3	$(M2.1 \times 5 \times 0.25)$	04A41345P06	1
4	$(M1.2 \times 2.5 \times 0.25)$	04A41345P11	8
5	$(M1.7 \times 3.5 \times 0.35)$	04A41345P12	2
6	$(M1.2 \times 3.5 \times 0.35)$	04A41345P15	1
7	$(M1\times2.5\times0.25)$	04A41345P17	1
8	$(M2.6\times5\times0.25)$	04A41345P29	1
9	$(M3.1 \times 8 \times 0.05)$	04A41345P30	1
10	$(M1.7 \times 3 \times 0.25)$	04A41345P31	1
11	$(M3.1 \times 5 \times 0.35)$	04A41345P32	2

### List of Usable Oil

- 1) Molykote E paste
- 2) Grease EM-30L
- 3) Grease FLOIL 425A

# **List of Usable Jigs**

- 1) GR bottom gear jig (Part No. 44A20788W01)
- 2) Head height adjustment gauge (M-300 or AT-500)

## Memo

# Disassembly, Assembly and Replacement of Functional Parts

#### 1. Disassembly and Assembly of Bottom Cover

- (1) Turn the mechanism around as shown in Figure 1.
- (2) Remove M1 lock washer ① as shown in Figure 1.
- (3) Remove three screws (2) as shown in Figure 1.
- (4) Lift the bottom cover slowly from the position (1)-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
- (5) When remounting the bottom cover, first turn the front of the mechanism up as shown in Figure 2.
- (6) Slide the slider in the direction (A-2 as shown in Figure 2.
- (7) Push down the cassette holder in the direction(3) as shown in Figure 2.
- (8) Pull the door pin in the direction **(A)**-4 so that the mechanism is locked in as shown in Figure 2.
- (9) Turn the mechanism around as shown in Figure 3.
- (10) Pull the automatic metal lever in the direction (A)-5 and the RF solenoid chip in the direction (A)-6 as shown in Figure 3.
- (11) Insert the hooks of the bottom cover into the chassis in the direction (a)-7, and then join the part (a)-8 of the bottom cover to the chassis slowly, making sure that the 3 points indicated with the straight lines in the Figure 3 are fitted properly.
  - If there are troubles in mounting the bottom cover, do not apply force but remove the bottom cover once again and check the positions of the individual parts. (Refer to Figure 3.)
- (12) Since the hooks marked (A)-8 will be lifted slightly as shown in Figure 4, insert the jig through the hole (A)-9, and fix it turning the jig slightly.
  - Instead of operation (12), turn the gear nose slowly with a precision screwdriver etc., taking care not to damage it.
  - After 2 to 3 turns, it will click into place. (Refer to Figure 4 and 5.)
- (13) Fix the screws and the lock washer that have been removed.

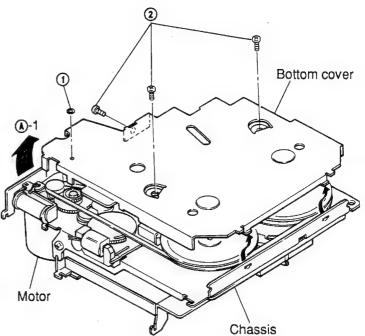


Figure 1

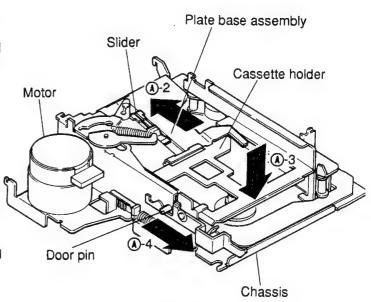
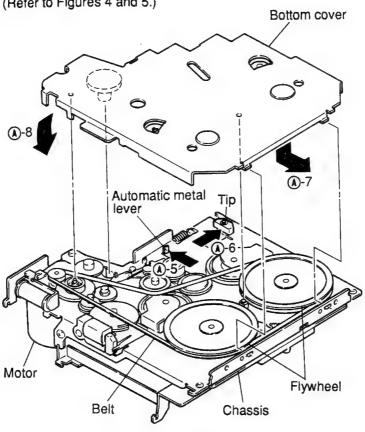


Figure 2

(14)Insert the jig into the hole **(A)**-9 as shown in Figure and rotate the eject solenoid counterclockwise about 20 times, pulling it in the direction **(A)**-10 with the finger. Then the eject operation is completed. Instead of operation (14), the eject operation can be performed by mounting the mechanism to the product. (Refer to Figures 4 and 5.)

**Note:** Do not reuse the used lock washers for mounting.

When turning the mechanism, be careful not to drop the gear and the flywheel. Fasten the three screws with a fastening torque of 6 kg/cm.



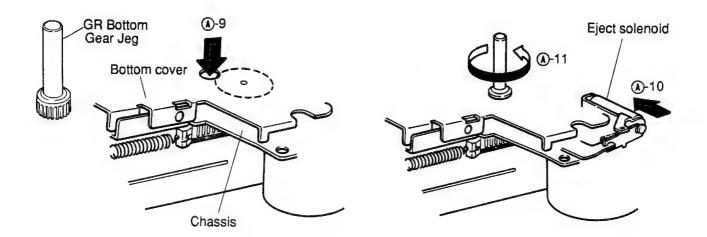


Figure 3

Figure 4

Figure 5

# 2. Replacement of the bottom cover mounting parts

- a. Replacement of the eject gear
  - (1) Remove M1.2 lock washer ③ as shown in Figure 6.
  - (2) Pull the eject pinion out of the eject gear and remove the eject gear as shown in Figure 6.
  - (3) Apply the molykote E paste to the section (8-1, and mount the eject gear following the removal steps in the reverse order. After replacement is finished, make sure that the gear rotates smoothly. (Refer to Figure 6.)

**Note:** Do not reuse the used lock washers for remounting.

Take care to avoid damage by piercing and tearing.

- b. Replacement of the RF solenoid
  - (1) Remove two solders (a) and remove the RF solenoid from the bottom cover by pulling it up as shown in Figure 6.
  - (2) Replace the solenoid with a new one, and remount it following the removal steps in the reverse order as shown in Figure 6.

Note: When removing solder (4), set the temperature of the soldering iron to 350° +/- 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged.

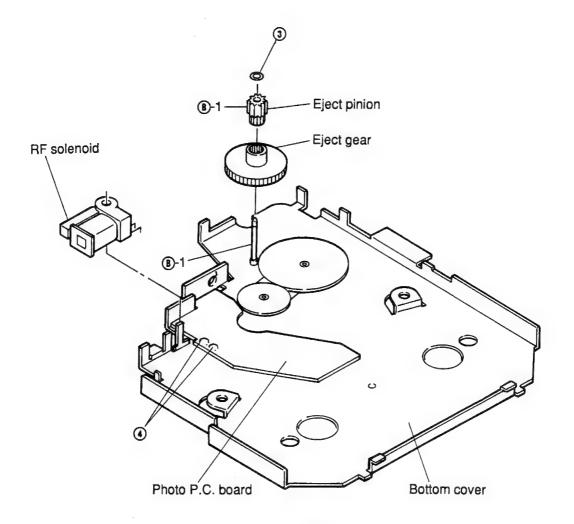


Figure 6

- c. Replacement of the photo sensor
  - (1) Remove four solders (3) as shown in Figure 7.
  - (2) Remove the photo guide together with the photo sensor from the photo PC board as shown in Figure 7.
  - (3) Insert the new photo sensor into the photo guide, and bend the legs of the photo sensor in the direction marked (3)-2 as shown in Figure 7.
  - (4) Insert the photo guide into the PC board and solder the legs so that the photo sensor is set as indicated by [[]] in Figure 7.

Note: When using the soldering iron, set the temperature of the soldering iron to 350° +/— 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged. Also take care that the photo guide is properly fixed and straight.

- d. Replacement of the detector switch (Automatic metal packing ???)
  - (1) Remove 2 solders (a) with which the the switch is fixed as shown in Figure 7.
  - (2) Prepare the terminals of the switch of the new solder as shown in Figure 8.
  - (3) After that, insert the switch into the photo PC board, and solder the terminals.

Note: When using the soldering iron, refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Also take care that the switch guide is properly fixed and straight.

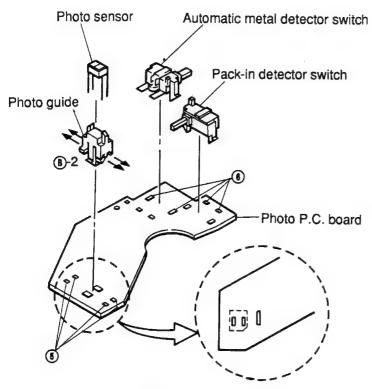


Figure 7

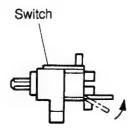


Figure 8

#### 3. Replacement of the mounting parts on the rear of the main chassis

#### a. Replacement of the belt

Flywheel

- (1) After removing the bottom cover, remove the belt.
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 9.

Note: When fixing the belt, make sure that it is not twisted or dirty. When removing the belt, do not turn up the front of the chassis.

- b. Replacement of the motor
  - (1) After removing the belt, remove spring (7) as shown in Figure 10.
  - (2) Remove solder (8-1, and remove the parallel wire (5P) from the control PC board as shown in Figure 11.
  - (3) Remove two screws (9) and (10), and remove the motor, taking care not to damage the motor idler gear. (Refer to Figure 10.)
  - (4) Mount the new motor following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Since the parallel wire is very easily damaged, handle it with care.

Fasten the two screws with a fastening

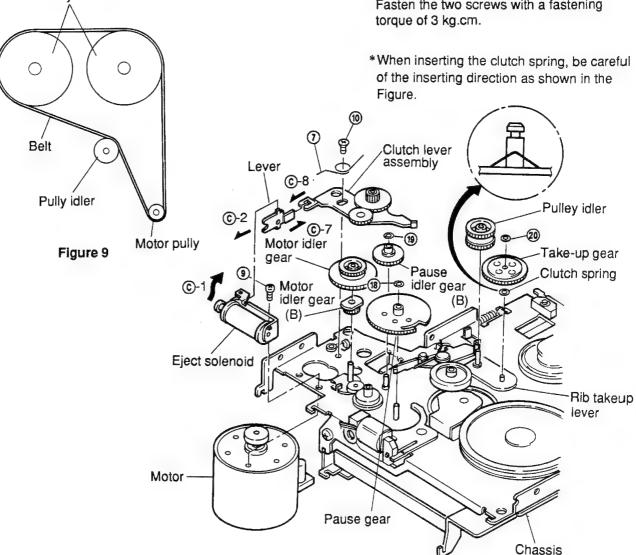


Figure 10

- c. Replacement of the flywheels
  - (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (1) located between the flywheel and the chassis. (Refer to Figure 12.)
  - (2) Fix the polyslider washer to the new flywheel and mount the flywheel to the chassis.
- d. Replacement of the play solenoid
  - (1) Remove the two solders (3)-2 as shown in Figure 11.
  - (2) Remove one screw ② and remove the solenoid as shown in Figure 11.
  - (3) Mount the new solenoid following the removal steps in the reverse order.

**Note:** Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 2.3 kg.cm.

- e. Replacement of the eject solenoid
  - (1) Remove two solders **3**-3. Take care not to loose the tube that protects the wire. (Refer to Figure 11.)
  - (2) Remove screw (3) and remove the play solenoid as shown in Figure 10.
  - (3) Align position ©-1 of the new solenoid with position ©-2 of the lever and fasten the screws as shown in Figure 10.
  - (4) Lead the wire through the tube and solder it.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 3 kg.cm.

As the solder wires are not insulated, do not let them cross each other.

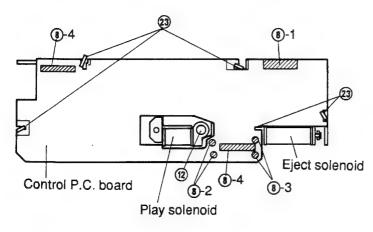


Figure 11

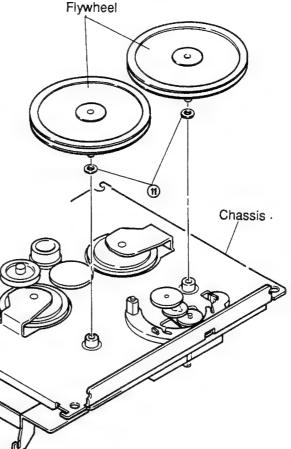


Figure 12

#### f. Replacement of gears

- (f-1) Replacement of the reverse idler gear
  - (1) Remove M1.2 lock washer ③, pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
  - (2) Remount following the removal steps in the reverse order.

#### (f-2) Replacement of the sun gear

- (1) Remove M1.2 lock washer (4), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Mount it, following the removal steps in the reverse order.

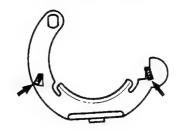
#### (f-3) Replacement of the fixing gear

- (1) Adjust the two mounting claws for the fix gear on the chassis (3) and remove the section (2)-3 of the gear by pulling it up in the direction of the arrow shown in Figure 13.
- (2) Insert the section ©-4 of the new gear into the chassis, and mount it following the removal steps in the reverse order as shown in Figure 13.
- (f-4) Replacement of the reverse lever assembly and planet gear
  - Remove both the fixing gear and the sun gear and remove the reverse lever assembly as shown in Figure 13.
  - (2) Remove M1.7 lock washer (6) and remove the planet gear as shown in Figure 14.
  - (3) Mount the new planet gear and reverse lever following the removal steps in the reverse order.

#### Notes on f-1 through f-4:

After mounting all parts, check if the reverse lever assembly moves in the directions marked ©-5 when the reverse gear is turned clockwise and counterclockwise.

\* After mounting the fixing gear, bend them into the form of as shown in the Figure.



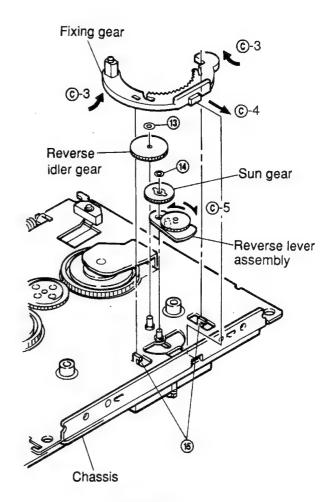


Figure 13

- (f-5) Replacement of the clutch lever assembly and eject idler gear
  - (1) After removing the motor, remove the motor idler gear and the motor idler gear (B) and remove the clutch lever assembly as shown in Figure 10.
  - (2) Remove M1.2 lock washer (1) and remove the eject idler gear as shown in Figure 15.
  - (3) Mount the new gears and clutch lever following the removal steps in the reverse order.

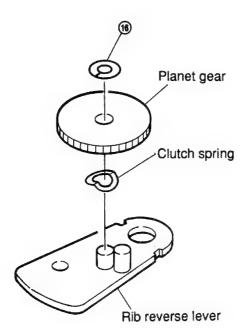
Note: When mounting the gears to the lever, apply grease (FLOIL 425A) to the position ©-6 as shown in Figure 15. Align the position ©-7 with the position ©-8 and mount the clutch lever as shown in Figure 10.

- (f-6) Replacement of the pause gear
  - (1) Remove M1.2 lock washer ® and remove the pause gear pulling it up from the stud of the chassis as shown in Figure 10.
  - (2) Mount the new gear following the removal steps in the reverse order.

- (f-7) Replacement of the pause idler gear (B)
  - (1) After removing the motor and the motor idler gear, remove M1.2 lock washer (1) and remove the gear by pulling it up from the stud of the chassis as shown in Figure 10.
  - (2) Mount the new gear by following the removal steps in the reverse order.
- (f-8) Replacement of the take-up gear
  - (1) After removing the belt and the pulley idler gear, remove M1.2 lock washer @ by pulling it up from the stud of the rib take-up lever assembly as shown in Figure 10.
  - (2) Remount the take-up gear following the removal steps in the reverse order.

#### Notes on f:

Do not reuse the used washers. Take care to avoid damage by piercing and tearing.



[Disassembly Reverse Lever Assembly]

Figure 14

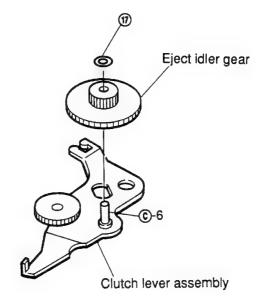
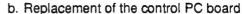


Figure 15

## 4. Replacement of the parts mounted on the front of the chassis

- a. Replacement of the audio PC board
  - (1) Remove two solders ② and remove the parallel wire (7P) and the head PC board as shown in Figure 16.
  - (2) Adjust the two claws ② to the rectangular holes on the PC board and remove the PC board as shown in Figure 16.
  - (3) After replacement, mount the new PC board following the removal steps in the reverse order.

Note: The head PC board and the parallel wires are easily damaged. Handle them with care. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head PC board.



- (1) Remove seven solders (3) and remove the three parallel wires and the wires of the eject solenoid and of the play solenoid as shown in Figure 11.
- (2) Remove the claws (3) and remove the PC board as shown in Figure 11.
- (3) After replacing the old PC board with a new one, mount it following the removal steps in the reverse order.

Note: As mentioned in Item 4-a, handle the parallel wires carefully, and be sure that the temperature of the soldering iron and the soldering time are proper. As the wires of the eject solenoid are not insulated, do not let them cross each other.

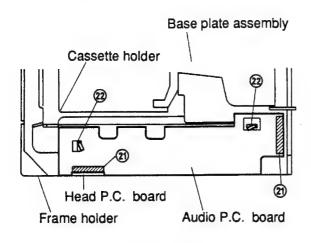


Figure 16

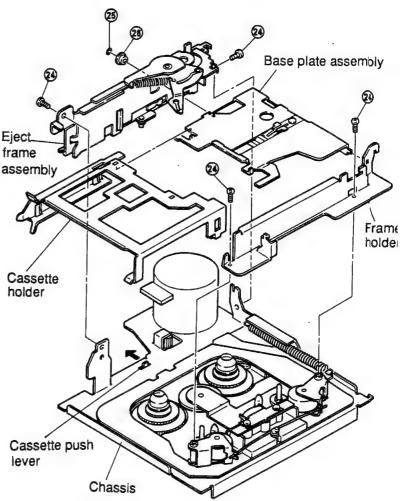


Figure 17

- c. Disassembly and assembly of the cassette holder
  - (1) Remove four screws ② and remove the eject frame assembly and the frame holder as shown in Figure 17.
  - (2) Remove M1.2 lock washer (3) and plate base roller (3) and remove the cassette holder and the base plate assembly as shown in Figure 17
  - (3) Remount them following the removal steps in the reverse order.
  - Notes: 1. When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 18).
    - When mounting the eject frame assembly, push the cassette push lever in the direction indicated by the arrow in the Figure 17.
    - When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame

d. Replacement of the reels

Reel

- Remove M1.7 lock washers (a) (Refer to figure 19).
- (2) Move the select lever in the direction marked (0)-1 in the Figure and remove the reel by gripping the reel gear as shown in Figure 19.
- (3) After replacement, mount the new reels following the removal steps in the reverse order.
- (4) After mounting, check the tape speed and the wow and flutter with test tape MTT-III.

Note: Since the reel is easily loosened if the cap is gripped, always handle it gripping the gear. Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

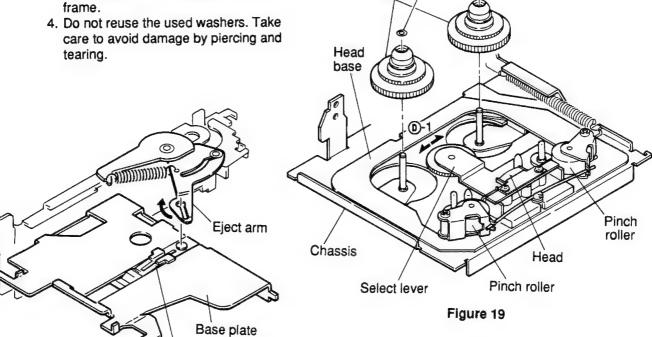


Figure 18

Slider

- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring ② as shown in Figure 20.
- (2) Remove M3.1 lock washers ② and remove the pinch roller as shown in Figure 20.
- (3) Mount the pinch rollers following the removal steps in the reverse order.

  Apply insulation coating to the position ①-2 of the pinch roller as shown in Figure 20.

Note: Make sure that the pinch rollers are thoroughly fixed and that they are not deformed. Do not reuse used lock washers. Take care to avoid damage by piercing and tearing.

- f. Replacement of the head
  - (1) After removing the pinch roller spring, remove two screws (2) as shown in Figure 21.
  - (2) Remove solder @ and remove the head from the head PC board as shown in Figure 22.
  - (3) After replacement, mount the new head following the removal steps in the reverse order.
  - Notes: 1. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head PC board. Make sure that the head PC board is not lifted.
    - Fasten the two screws with a fastening torque of 2.3 kg.cm. Note that the tension of the head spring can be decreased if the screws are fastened too strongly.

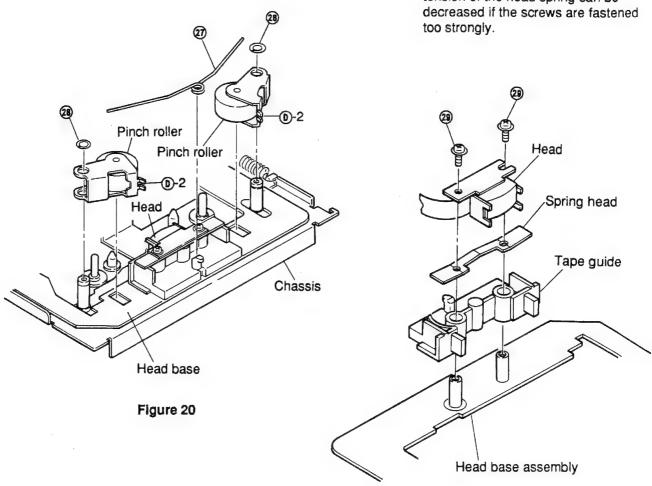
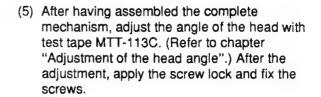


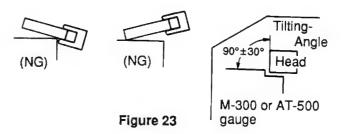
Figure 21

- (4) Adjust the height of the head as shown in Figures 23, 24 and 25.
- ① Place the height adjustment gauge (M-300 or AT-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
- When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t 0.1 mm or polislider washer t 0.13 mm).

  If necessary, remove the spacer.

Note: If you do not have a height gauge like described in (1)-(1), run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.





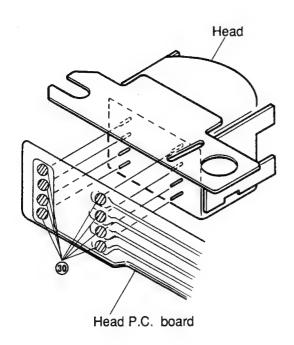


Figure 22

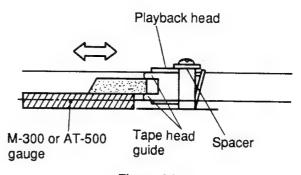
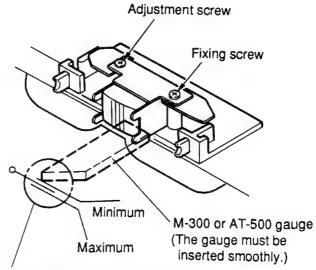


Figure 24



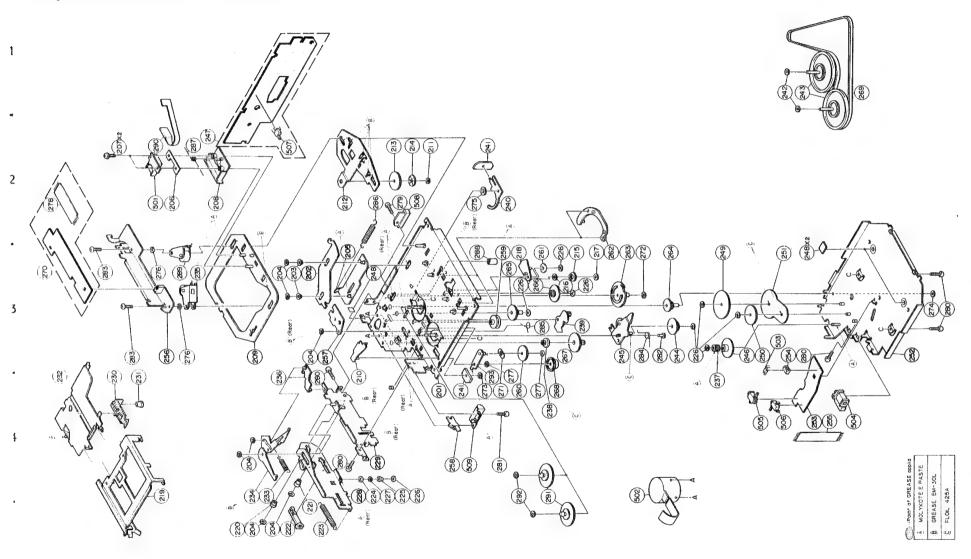
The nosepiece of the gauge must be between the minimum and maximum positions.

Figure 25

GR Series

GR Series

## **Exploded View (Cassette Deck)**



# Cassette Deck Assembly Parts List Note: The parts without part numbers are not supplied.

						1 1		e. Inc parts v	ithout part numbers are not suppl	
Symbol No.	IN- dex	Part No.	Description		1	mbol No.	IN- dex	Part No.	Description	
203	3-C	43A11072W01	Roller, Sub Head			248		43A90918F01	Spacer. Polyslider	
204		04A41345P01	Washer, Lock (M1.2)			249	3-F	44A11063W01	Gear, Bottom A	
206	2-B	41A10095W01	Spring, Head			250	3-F	44A11064W01	Gear. Bottom B	
207	2-B	03S40019G03	Screw, F-Locks (M2x4)			251	3-G	04A11122W01	Washer. GR	
	1		Tape Guide			254	3-G	15B11065W01	Guide, Photo	
208	2-B	43B12545W01	lape, duide			204		10011000#01	l dataci i lioto	
			A Div lavia D/D			000	1.0	20715196501	Wire, PC Sensor(7P)	
210	4-C	01A10206W01	Assy., Riv Lever R/F			255	4-G	30T15126W01	1 " 1 1	
			Sol (No. 1)			258	4-D	45A10101W01	Lever, Eject Sol	
211	2-D	04A41345P29	Washer, Lock (M2.6)	1 1		259	3-D	49A10131W01	Pulley, Idler	
213	2-D	44A10295W01	Gear. Sensor			260	4-E	44A10133W01	Gear. Take Up	
214	2-D	14A10681W01	Reflector			261	3-E	44A10134W01	Gear. Sun	
215	3-E	44A10142W01	Gear, Planet							
						262	3-E	44B10135W01	Gear, Fix	
216	3-E	41A10097W02	Spring. Clutch			263	3-E	44B10136W01	Gear, Pause	
217	3-E	04A41345P31	Washer, Lock(M1.7)			264	3-F	44A10137W01	Gear, Pause Idler A	
218	3-E	01A10203W01	Assy Riv Lever			265	3-D	44A10379W01	Gear, Pause Idier B	
			Reverse			266	3-E	44A10138W01	Gear. Reverse Idler	
219	4-B	07B10074W01	Holder, Cassette							
220	5-B	43A12583W01	Roller, Eject			267	3-E	44A10139W01	Gear, Motor Idler	
						268	4-E	44A11062W01	Gear. Reel Idler	
221	5-C	43A63281F01	Roller, Plate Base			269	1-G	42A10380W01	Belt. GR	
222	5-C	44A82206F01	Rack		•	270	3-A	01V14700W68	Assy., GR Audio	
223	5-C	41B10386W03	Spring, GR(Rack)			270	3-A	01V11500W19	Assy. GR Audio	
224	4-C	43A10121W01	Roller, Eject A		-					
225	4-D	43A10360W01	Roller, Eject B			270	3-A	01V11500W19	Assy., GR Audio	
223	4-0	43710300401	NOTION LIBER D		1	271	4-D	41A10097W02	Spring, Clutch	
		04441045014	Nachan Last (VI 9)			272	3-F	04A41345P15	Washer, Lock(M1.2)	
226		04A41345P11	Washer, Lock (M1.2)	1 1	1	273	4-D	04A41345P02	Washer, Lock (M1.7)	
227	4-D	43A12377W01	Roller, Eject C			I -	1			
230	4-A	45B10376W01	Slider			274	3-H	04A41345P17	Washer, Lock(M1)	
231	4-B	47A83278F01	Shaft, Slider			200		044440457000	II	
232	4-A	01A10212W01	Assy. Riv Plate Base			275	2-D	04A41345P30	Washer, Lock (M3.1)	
					1	276	3-B	04A41345P32	Washer, Lock (M3.1)	
233	4-C	41B10386W01	Spring. Eject Arm			277		04A41345P06	Washer, Lock(M2.1)	
234	4-B	01A10148W01	Assy Riv Eject			278	2-A	30T15126W02	Wire, PC Joint 7P	
			Ara A		1	279	2-D	03S44205G78	Screw. Pan(M2x6)	
235	3-B	01B10381W02	Assy., Pinch Roller							
236	4-C	01A10202W01	Assy., Riv Lever			280		03S44205G30	Screw. Pan(M2.6x4)	
			Pack In SW			281	4-D	03S72235F38	Screw, Pan(M2x3.3)	
237	4-F	44A12975W01	Pinion, Eject			282	3-F	03A12132W02	Screw. Eject Clutch	
									(M2x2.3)	
238	4-E	44A13817W01	Gear, Motor Idler(B)			283		03S43997P64	Screw. Pan(M1.7x3)	
239	3-E	01A10201W01	Assy., Riv Lever			284	3-F	41A10384W01	Spring, Eject Clutch	
			Pause							
240	2-D	45A10092W01	Lever, Play			285	3-E	41A10385W01	Spring, Cas Push	
241		76T10374W01	Chip			286	2-C	41B10386W02	Spring, Sub Head	
242	1-G	04S40075G05	Washer Polyslider			287	2-B	41A10387W01	SP. Pinch Roller	
	-		(M2.1)			288	3-D	43A12719W01	Roller, Pause	
						289	3-B	01B10381W01	Assy Pinch Roller	
243	1-G	01A10368W01	Assy. Flywheel							
244	3-F	44A10141W01	Gear, Eject Idler							
	3-F	1			1		1			
245	3-E	01A10205W01	Assy. Riv Lever							
		444484451184	Clutch A		1			1		
246	3-F	44A10145W01	Gear, Eject		1			1		
247	2-B	01V11500W18	Assy., GR Control							
	1									
			edal: enly For CP7		_		1			

Notes : ● ; For GR75E020 model only ■ ; For GR75E010 model only

<sup>▲ ;</sup> For GR75EOIA model only Others ; Common

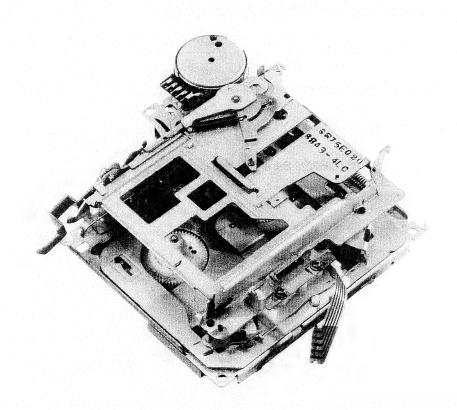
	0 1 1	LIV			
	Symbol No.	lN- dex	Part No.	Description	
-	290	2-B	84T10367W01	Panel Head	
	291	4-E	01T15164W01	Assy., Reel	
	291	4-E	01T15164W01	Assy Reel	
14	291	4-E	01T15164W02	Assy., Reel	
	292	4-E	04A41345P12	Washer, Lock(MI.7)	
	293	4-D	01A11078W01	Assy., Riv Lever	
		'		Take Up	
r		1	Mis	cellaneous	1
	501	2-B	88T15971W01	Head	
	501	2-B	88T10373V01	Head	
1	501	2-B	88T10373W01	Head	
	502	4-E	01V11500W64	Assy., Motor	
	503	3-G	51T15144W01	Sensor. Photo	
	504	4-G	01T10371W01	R/F Sol. Assy.	
	505	4-F	40T15382W01	SW., Detector	
				(Pack Down)	
ı	506	4-G	40T15382W01	SW. Detector(Metal)	
	507	2-C	40T15222W01	SW Detector (Pack In)	
	508	2-D	01T15249W01	Assy., Play Solenoid	
	300	2-5	01110243401	hasy. Fray sorehold	
	509	4-D	01T10369W01	Assy., Eject Solenoid	
	ŀ				
1					
1					
					İ
			•		
_			1		l

Notes : ● ; For GR75E020 model only ■ ; For GR75E010 model only ▲ ; For GR75E01A model only Others ; Common



## Cassette Deck Mechanism

# ADDENDUM & REVISED(V)



GR/GR-Y SERIES

Contents	
List of Usable Lock Washers	3
List of Usable Oil	3
List of Usable Jigs	3
Disassembly, Assembly and Replacement of Functional Parts	5 to 16
Exploded View (GR75E Series) (1/4)	17 to 18
Cassette Deck Assembly Parts List (GR75E Series) (1/4)	19 to 20
Exploded View (GR75L Series) (2/4)	21 to 22
Cassette Deck Assembly Parts List (GR75L Series) (2/4)	23 to 24
Exploded View (GR-Y Series) (3/4)	25 to 26
Cassette Deck Assembly Parts List (GR-Y Series) (3/4)	27 to 28
Exploded View (GR75H Series) (4/4)	29 to 30
Cassette Deck Assembly Parts List (GR75H Series) (4/4)	31 to 32

#### Memo

#### **List of Usable Lock Washers**

				QUAN	ITITY	
	SIZE	PARTS NO.	GR75E	GR75L	GR-Y Series	GR75H Series
			Series	Series	Series	Series
1	(M1.2 × 3.5 × 0.25)	04B41345P01	4	4	4	2
2	$(M1.7 \times 3.5 \times 0.25)$	04B41345P02	1	1	1	4
3	$(M1.2 \times 2.5 \times 0.25)$	04B41345P11	8	8	8	9
4	$(M1.7\times3.5\times0.35)$	04B41345P12	2	2	2	2
5	$(M1.2\times3.5\times0.35)$	04B41345P15	2	2	2	2
6	$(M1\times2.5\times0.25)$	04B41345P17	1	1	1	2
7	$(M2.6 \times 5 \times 0.25)$	04B41345P29	11	1	1	1
8	$(M3.1\times8\times0.05)$	04B41345P30	1	1	1	1
9	$(M3.1\times5\times0.35)$	04B41345P32	2	2	2	2
10	$(M1.2\times2.5\times0.3)$	04B41345P34	1	1	1	0
11	$(M1.7 \times 2.8 \times 0.25)$	04B41345P35	1	1	1	2
12	$(M2.1 \times 4 \times 0.25)$	04B41345P37	1	1	1	0
13	$(M2.1\times4\times0.13)$	04S40075G05	2	2	2	0
14	$(M2.1 \times 4 \times 0.3)$	04S40075G58	0	0	0	1

#### List of Usable Oil

- Molykote G paste
   Grease EM-30L
   Grease PG-671

## **List of Usable Jigs**

- GR bottom gear jig (Part No. 44A20788W01)
   Head height adjustment gauge AI-500 (Part No. AI-500)

# Disassembly, Assembly and Replacement of Functional Parts

#### 1. Disassembly and Assembly of Bottom Cover

- (1) Turn the mechanism around as shown in Figure 1.
- (2) Remove M1 lock washer ① as shown in Figure 1.
- (3) Remove three screws ② as shown in Figure 1.
- (4) Lift the bottom cover slowly from the position (a)-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
- (5) When remounting the bottom cover, first turn the front of the mechanism up as shown in Figure 2.
- (6) Slide the slider in the direction (4)-2 as shown in Figure 2.
- (7) Push down the cassette holder in the direction (A)-3 as shown in Figure 2.
- (8) Pull the door pin in the direction (a)-4 so that the mechanism is locked in as shown in Figure 2.
- (9) Turn the mechanism around as shown in Figure 3.
- (10)Pull the automatic metal lever in the direction (A)-5 and the RF solenoid chip in the direction (A)-6 as shown in Figure 3.
- (11) Insert the hooks of the bottom cover into the chassis in the direction (a)-7, and then join the part (a)-8 of the bottom cover to the chassis slowly, making sure that the 3 points indicated with the straight lines in the Figure 3 are fitted properly.
  - If there are troubles in mounting the bottom cover, do not apply force but remove the bottom cover once again and check the positions of the individual parts. (Refer to Figure 3.)
- (12)Since the hooks marked (A)-8 will be lifted slightly as shown in Figure 4, insert the jig through the hole (A)-9, and fix it turning the jig slightly in the direction (A)-11. Instead of operation (12), turn the gear nose slowly with a precision screwdriver etc., taking care not to damage it.
  - After 2 to 3 turns, it will click into place. (Refer to Figures 4 and 5.)
- (13) Fix the screws and the lock washer that have been removed.

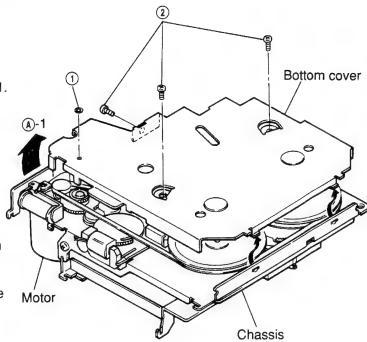


Figure 1

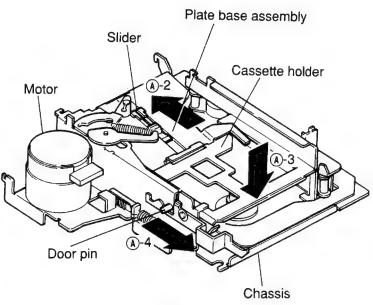


Figure 2

(14) Insert the jig into the hole (A)-9 as shown in Figure and rotate the eject solenoid counterclockwise about 20 times, pulling it in the direction (A)-10 with the finger.

Then the eject operation is completed. Instead of operation (14), the eject operation can be performed by mounting the mechanism to the product. (Refer to Figures 4 and 5.)

Note: Do not reuse the used lock washers for mounting.

When turning the mechanism, be careful not to drop the gear and the flywheel.

Fasten the three screws with a fastening torque of 6 kg.cm.

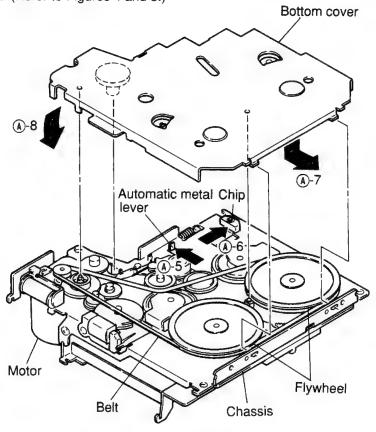


Figure 3

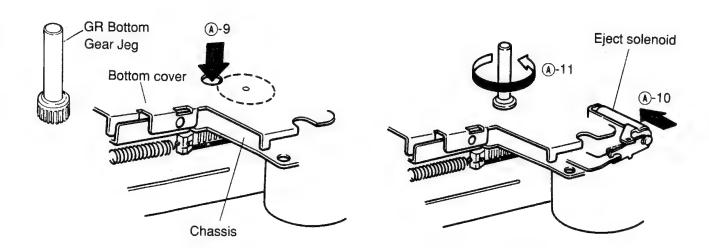


Figure 4

Figure 5

## 2. Replacement of the bottom cover mounting parts

- a. Replacement of the eject gear
- (1) Remove M1.2 lock washer ③ as shown in Figure 6.
- (2) Pull the eject pinion out of the eject gear and remove the eject gear as shown in Figure 6.
- (3) Apply the molykote E paste to the section ®-1, and mount the eject gear following the removal steps in the reverse order. After replacement is finished, make sure that the gear rotates smoothly. (Refer to Figure 6.)

**Note:** Do not reuse the used lock washers for remounting.

Take care to avoid damage by piercing and tearing.

- b. Replacement of the RF solenoid
  - (1) Remove two solders (4) and remove the RF solenoid from the bottom cover by pulling it up as shown in Figure 6.
  - (2) Replace the solenoid with a new one, and remount it following the removal steps in the reverse order as shown in Figure 6.

Note: When removing solder 4, set the temperature of the soldering iron to  $350^{\circ} \pm 10^{\circ}$  and the soldering time to 1-3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged.

- c. Replacement of the photo sensor
- (1) Remove four solders (5) as shown in Figure 7.
- (2) Remove the photo guide together with the photo sensor from the photo P.C. board as shown in Figure 7.
- (3) Insert the new photo sensor into the photo guide, and bend the legs of the photo sensor in the direction marked (B)-2 as shown in Figure 7.
- (4) Insert the photo guide into the P.C. board and solder the legs so that the photo sensor is set as indicated by [[11]] in Figure 7.

Note: When using the soldering iron, set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged. Also take care that the photo guide is properly fixed and straight.

- d. Replacement of the detector switch (Automatic metal pack-in)
- (1) Remove 4 solders (6) with which the switch is fixed as shown in Figure 7.
- (2) Prepare the terminals of the switch of the new solder as shown in Figure 8.
- (3) After that, insert the switch into the photo P.C. board, and solder the terminals.

Note: When using the soldering iron, refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Also take care that the switch guide is properly fixed and straight.

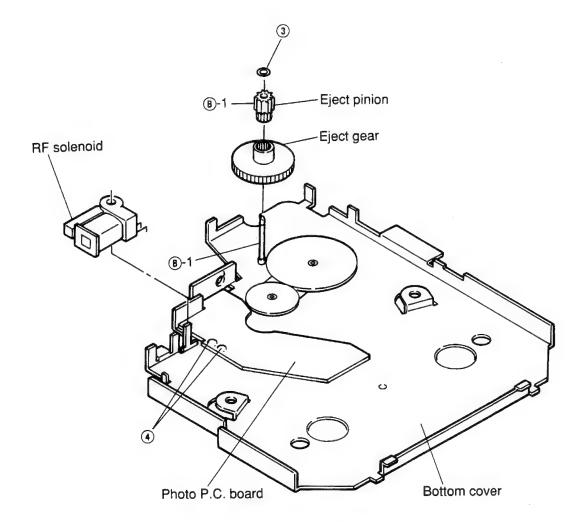
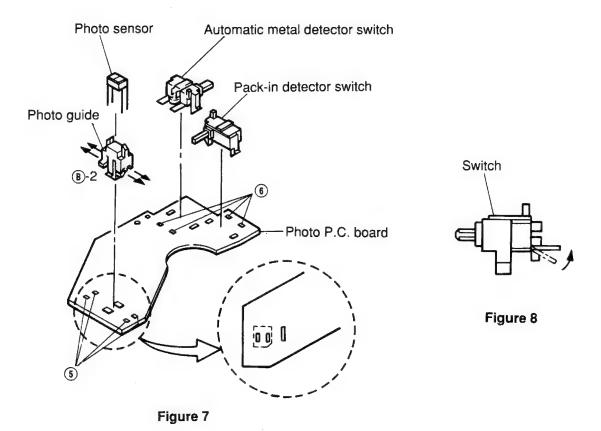


Figure 6



#### 3. Replacement of the mounting parts on the rear of the main chassis

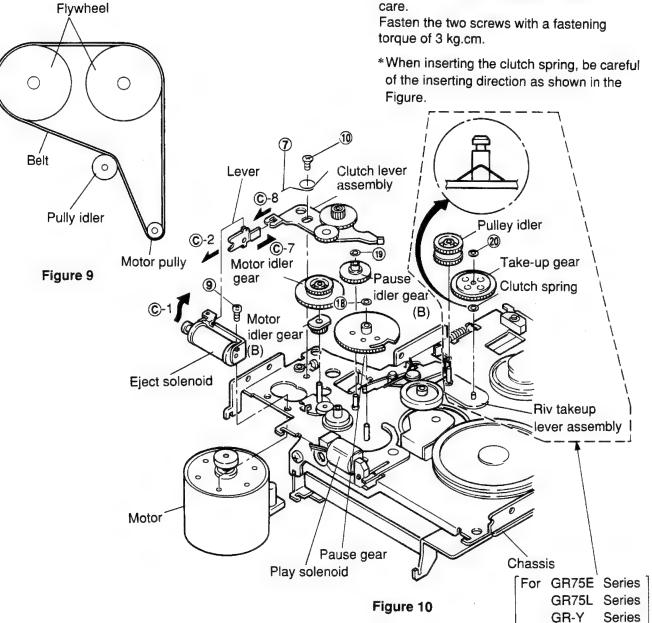
- a. Replacement of the belt
- (1) After removing the bottom cover, remove the belt.
- (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 9.

**Note:** When fixing the belt, make sure that it is not twisted or dirty. When removing the belt, do not turn up the front of the chassis.

- b. Replacement of the motor
  - (1) After removing the belt, remove spring ① as shown in Figure 10.
  - (2) Remove solder (2)-1, and remove the parallel wire (5P) from the control P.C. board as shown in Figure 11.
  - (3) Remove two screws (3) and (10), and remove the motor, taking care not to damage the motor idler gear. (Refer to Figure 10.)
  - (4) Mount the new motor following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Since the parallel wire is very easily damaged, handle it with care.

models

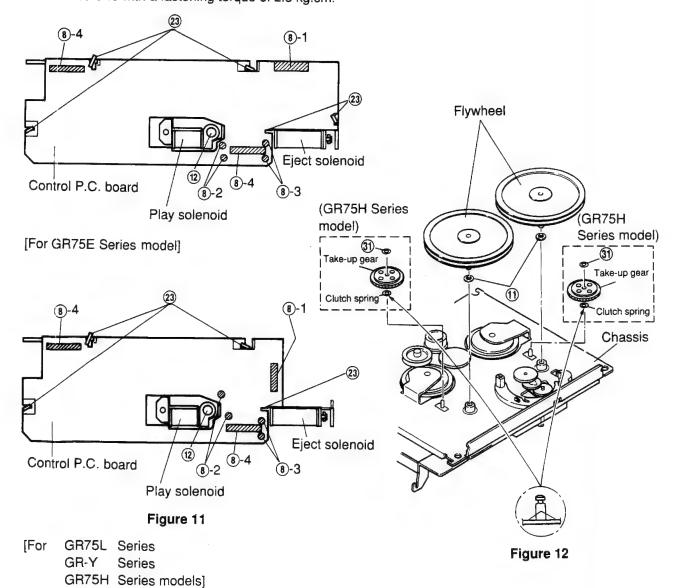


- c. Replacement of the flywheels
- (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (1) located between the flywheel and the chassis. (Refer to Figure 12.)
- (2) Fix the polyslider washer to the new flywheel and mount the flywheel to the chassis.
- d. Replacement of the play solenoid
  - (1) Remove the two solders (8)-2 as shown in Figure 11.
  - (2) Remove one screw (2) and remove the solenoid as shown in Figure 11.
- (3) Mount the new solenoid following the removal steps in the reverse order.

**Note:** Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 2.3 kg.cm.

- e. Replacement of the eject solenoid
- (1) Remove two solders (8)-3. Take care not to loose the tube that protects the wire. (Refer to Figure 11.)
- (2) Remove screw (9) and remove the solenoid as shown in Figure 10.
- (3) Align position ©-1 of the new solenoid with position ©-2 of the lever and fasten the screw as shown in Figure 10.
- (4) Lead the wire through the tube and solder it.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 3 kg.cm. As the solenoid wires are not insulated, do not let them cross each other.



**-9 -**

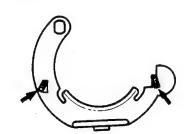
#### f. Replacement of gears

- (f-1) Replacement of the reverse idler gear
- (1) Remove M1.2 lock washer (3), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Remount following the removal steps in the reverse order.
- (f-2) Replacement of the sun gear
  - (1) Remove M1.2 lock washer (4), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Mount it, following the removal steps in the reverse order.
- (f-3) Replacement of the fixing gear
  - (1) Adjust the two mounting claws for the fix gear on the chassis (§) and remove the section (©)-3 of the gear by pulling it up in the direction of the arrow shown in Figure 13.
  - (2) Insert the section ©-4 of the new gear into the chassis, and mount it following the removal steps in the reverse order as shown in Figure 13.
- (f-4) Replacement of the reverse lever assembly and planet gear
- (1) Remove both the fixing gear and the sun gear and remove the reverse lever assembly as shown in Figure 13.
- (2) Remove M1.7 lock washer (6) and remove the planet gear as shown in Figure 14.
- (3) Mount the new planet gear and reverse lever following the removal steps in the reverse order.

#### Notes on f-1 through f-4:

After mounting all parts, check if the reverse lever moves in the directions marked ©-5 when the reverse gear is turned clockwise and counterclockwise.

\* After mounting the fixing gear, bend the claws (s) into the form of as shown in the Figure.



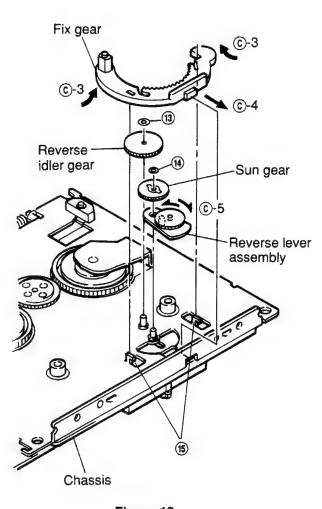


Figure 13

- (f-5) Replacement of the clutch lever assembly and eject idler gear
  - After removing the motor, remove the motor idler gear and the motor idler gear (B) and remove the clutch lever assembly as shown in Figure 10.
- (2) Remove M1.2 lock washer ① and remove the eject idler gear as shown in Figure 15.
- (3) Mount the new gears and clutch lever following the removal steps in the reverse order.

Note: When mounting the gears to the lever, apply grease (PG-671) to the position ©-6 as shown in Figure 15. Align the position ©-7 with the position ©-8 and mount the clutch lever as shown in Figures 10 and 15.

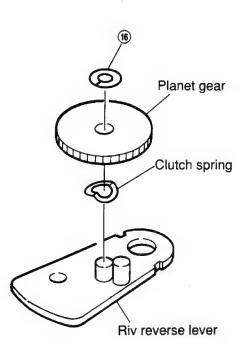
- (f-6) Replacement of the pause gear
  - (1) Remove M1.2 lock washer (18) and remove the pause gear pulling it up from the stud of the chassis as shown in Figure 10.
  - (2) Mount the new gear following the removal steps in the reverse order.

- (f-7) Replacement of the pause idler gear (B)
  - (1) After removing the motor and the motor idler gear, remove M1.2 lock washer (19) and remove the gear by pulling it up from the stud of the chassis as shown in Figure 10.
  - (2) Mount the new gear by following the removal steps in the reverse order.
- (f-8) Replacement of the take-up gear
- (1) After removing the belt and the pulley idler gear, remove M1.2 lock washer ② by pulling it up from the stud of the riv take-up lever assembly as shown in Figure 10.

  After removing the Flywheel, remove M1.2 lock washer ③ and remove the gear by pulling it up from the stud of the chassis as shown in figure 12. [For GR75H Series model]
- (2) Remount the take-up gear following the removal steps in the reverse order.

#### Notes on f:

Do not reus e the used washers. Take care to avoid damage by piercing and tearing.



[Disassembly Reverse Lever Assembly]

Figure 14

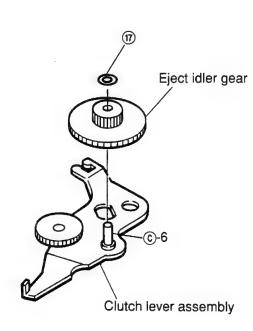


Figure 15

#### 4. Replacement of the parts mounted on the front of the main chassis

- a. Replacement of the audio P.C. board
- (1) Remove two solders ② and remove the parallel wire (7P) and the head P.C. board as shown in Figure 16.
- (2) Adjust the two claws ② to the rectangular holes on the P.C. board and remove the P.C. board as shown in Figure 16.
- (3) After replacement, mount the new P.C. board following the removal steps in the reverse order.

Note: The head P.C. board and the parallel wire are easily damaged. Handle them with care. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board.

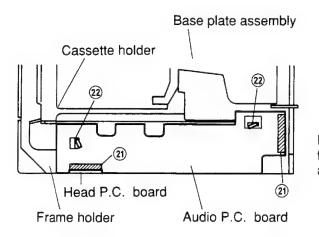


Figure 16

- b. Replacement of the control P.C. board
  - (1) Remove seven solders (8) and remove the three parallel wires and the wires of the eject solenoid and of the play solenoid as shown in Figure 11.
  - (2) Remove five claws ② and remove the P.C. board as shown in Figure 11. [For GR75E Series model] Remove four claws ② and remove the P.C. board as shown in Figure 11. [For GR75L Series, GR-Y Series, GR75H Series models]
  - (3) After replacing the old P.C. board with a new one, mount it following the removal steps in the reverse order.

Note: As mentioned in Item 4-a, handle the parallel wires carefully, and be sure that the temperature of the soldering iron and the soldering time are proper. As the wires of the eject solenoid are not insulated, do not let them cross each other.

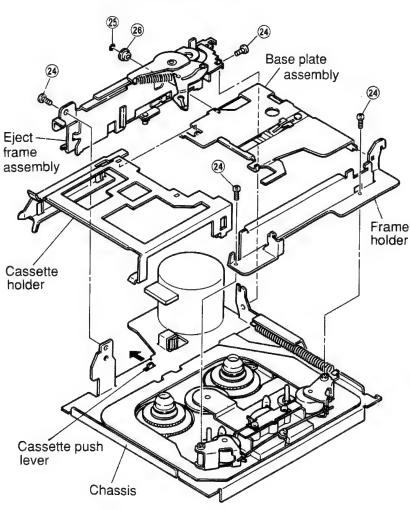


Figure 17

- c. Disassembly and assembly of the cassette holder
  - (1) Remove four screws (2) and remove the eject frame assembly and the frame holder as shown in Figure 17.
  - (2) Remove M1.2 lock washer (3) and plate base roller (3) and remove the cassette holder and the base plate assembly as shown in Figure 17.
  - (3) Remount them following the removal steps in the reverse order.

Notes: 1. When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 18).

- When mounting the eject frame assembly, push the cassette push lever in the direction indicated by the arrow in the Figure 17.
- When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame.
- Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

Eject arm

Base plate

Slider



- (1) Remove M1.7 two lock washers (26) (Refer to figure 19).
- (2) Move the select lever in the direction marked
   ①-1 in the Figure and remove the reel by gripping the reel gear as shown in Figure 19.
- (3) After replacement, mount the new reels following the removal steps in the reverse order.
- (4) After mounting, check the tape speed and the wow and flutter with test tape MTT-111.

Note: Since the reel is easily loosened if the cap is gripped, always handle it gripping the gear. Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

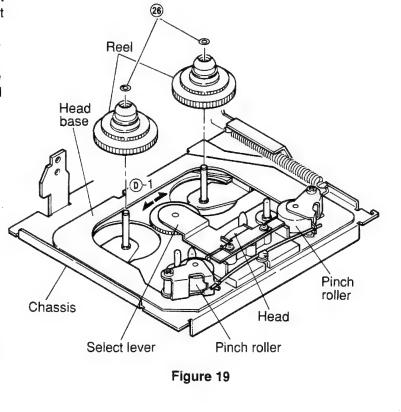


Figure 18

- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring ② as shown in Figure 20.
- (2) Remove M3.1 two lock washers ② and remove the pinch roller as shown in Figure 20.
- (3) Mount the pinch rollers following the removal steps in the reverse order.

  Apply insulation coating to the position ①-2 of the pinch roller as shown in Figure 20.
- Note: Make sure that the pinch rollers are thoroughly fixed and that they are not deformed. Do not reuse used lock washers. Take care to avoid damage by piercing and tearing.



- (1) After removing the pinch roller spring, remove two screws ② as shown in Figure 21.
- (2) Remove solder ③ and remove the head from the head P.C. board as shown in Figure 22.
- (3) After replacement, mount the new head following the removal steps in the reverse order.
- Notes: 1. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board. Make sure that the head P.C. board is not lifted.
  - Fasten the two screws with a fastening torque of 2.3 kg.cm. Note that the tension of the head spring can be decreased if the screws are fastened too strongly.

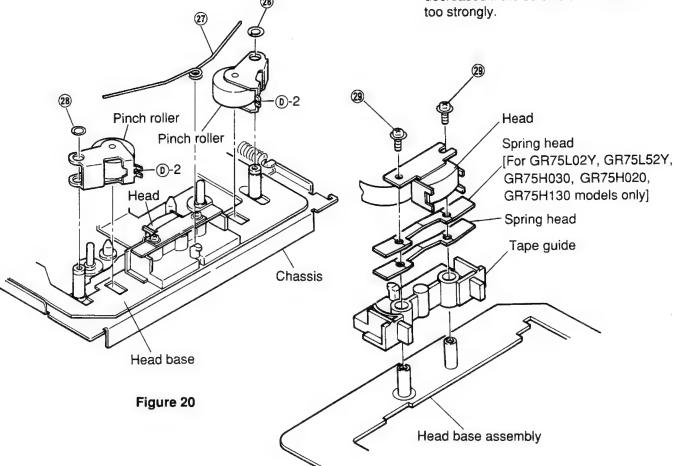
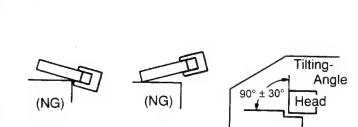


Figure 21

- (4) Adjust the height of the head as shown in Figures 23, 24 and 25.
- ① Place the height adjustment gauge (AI-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
- When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t 0.1 mm or polislider washer t 0.13 mm).

  If necessary, remove the spacer.

Note: If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.



(5) After having assembled the complete

screws.

test tape MTT-113C. (Refer to chapter

"Adjustment of the head angle".) After the

adjustment, apply the screw lock and fix the

mechanism, adjust the angle of the head with

Figure 23

Al-500 gauge

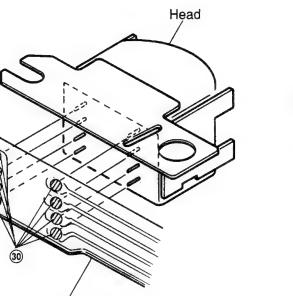


Figure 22

Head P.C. board

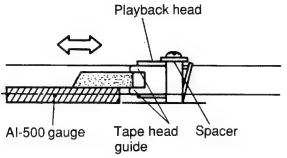
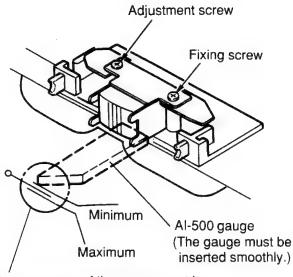


Figure 24

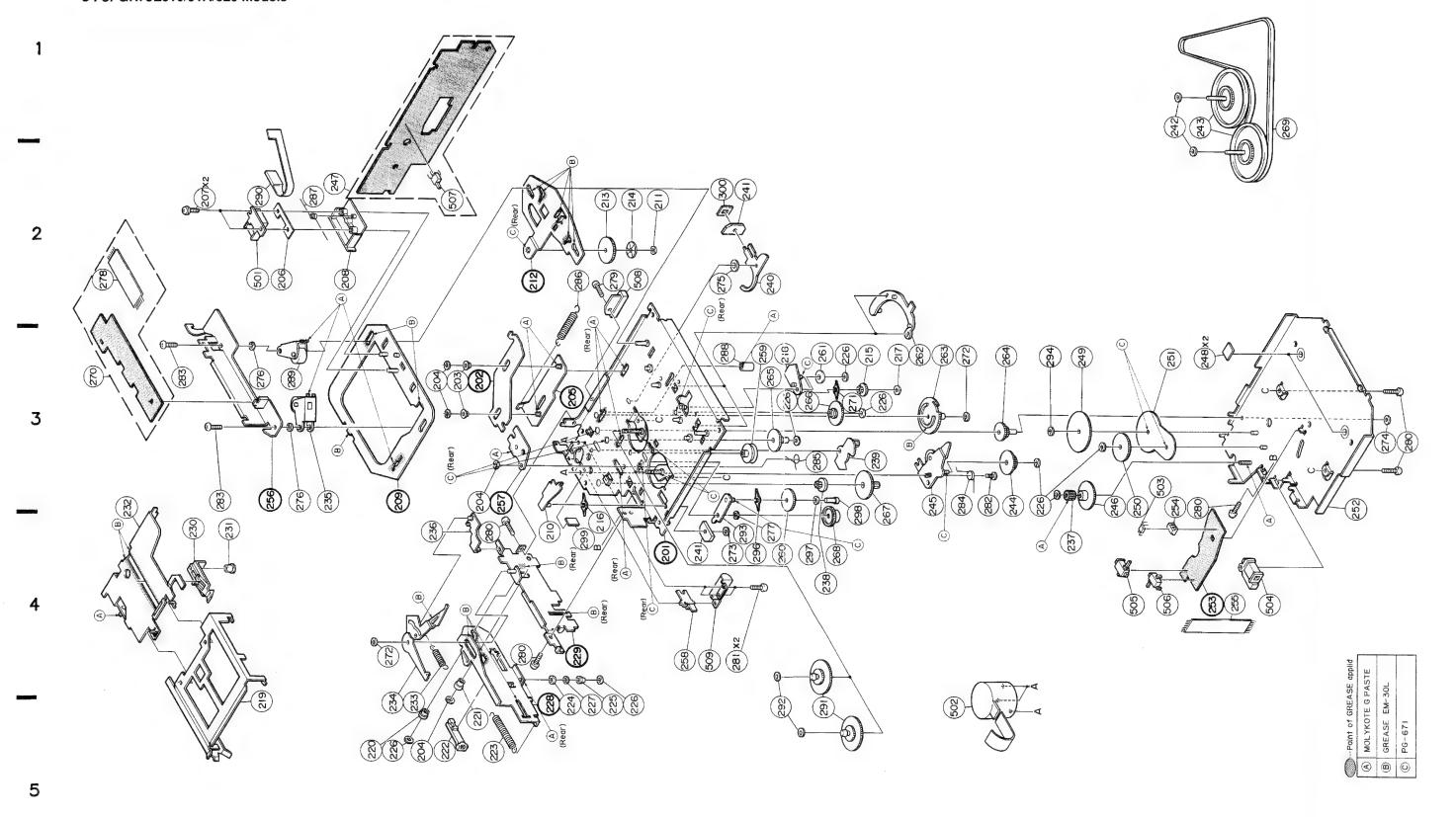


The nosepiece of the gauge must be between the minimum and maximum positions.

Figure 25

#### Exploded View (GR75E Series) (1/4)

● For GR75E010/01A/020 Models



**-** 18 **-**

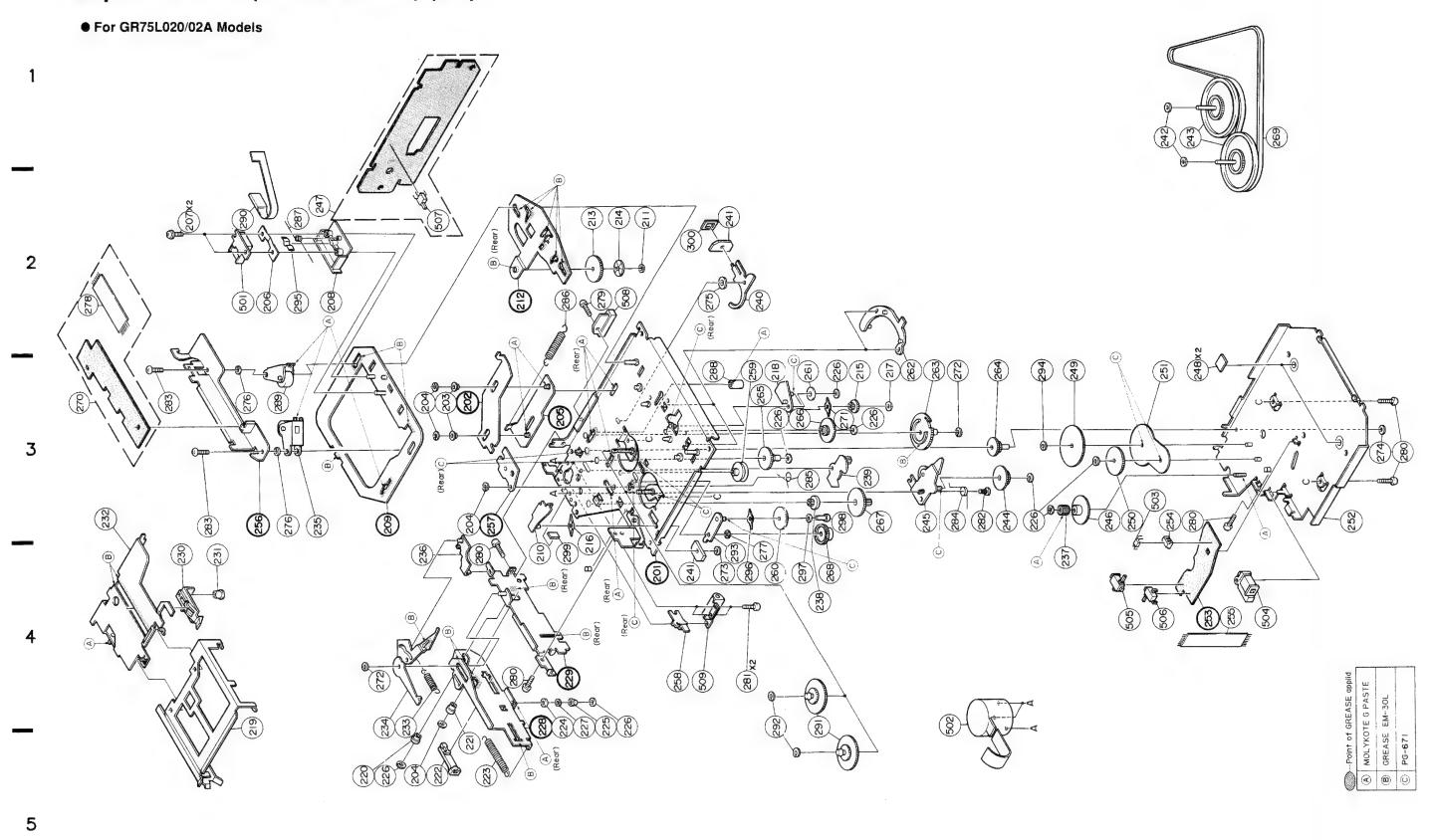
#### Cassette Deck Assembly Parts List (GR75E Series) (1/4)

npo1	1 N-	Part No.	Description
No.	dex		
203		43A11072W01	Roller, Sub Head
204			Washer, Lock (M1.2)
206	2-B	41A31756W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape, Guide
210	4-C	01A10206W01	Assy., Riv Lever R/F Sol
211	2-D	04B41345P29	Washer, Lock (M2.6)
1 1			Gear. Sensor
1 1			Reflector
214			Gear. Planet
216	3-E	41A10097W02	Spring. Clutch
217	3-E	04B41345P35	Washer, Lock(M1.7)
218	3-E	01A30824W01	Assy Riv Lever
			Reverse
219	4-B	07B40283W01	Holder, Cassette
219	4-B	07B40283W01	Holder. Cassette
		07B10074W01	Holder, Cassette
	5-B	43A12583W01	Roller, Eject
1	,	43A63281F01	Roller, Plate Base
222		44A82206F01	Rack
223	5-C	41B10386W03	Spring. GR(Rack)
224	4-C	43A10121W01	Roller, Eject A
225	4-D	43A10360W01	Roller, Eject B
226		04B41345P11	Washer, Lock (M1.2)
227	4-D	43A12377W01	Roller, Eject C
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft. Slider
232	4-A	01A10212W01	Assy. Riv Plate Base
233	4-C	41B10386W01	Spring. Eject Arm
234	4-B	01A10148W01	Assy Riv Eject
		0.0000001100	Arm A
235	3-B	01B30863W02	Assy., Pinch Roller
236	4-C	45A10087W01	Lever Pack In SW
237	4-F	44A12975W01	Pinion. Eject
238	4-E	44A13617W01	Gear. Motor Idler(B)
239	3-E	01A10201W02	Assy., Riv Lever
240	2-D	45A40725W01	Lever, Play Sol
241		76T10374W01	Chip
242	1-C	04S40075G05	Washer Polyslider (M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244			
245	3-E	01A10205W02	

Symbol		1 N-	Part No.	Description	
N	0.	dex	44410145101	Gear, Eject	
Ì	246			Assy., GR Control	
	247	2-B	01V11500W18	P.C. Board	
	040	3-G	43A4165BW01	Spacer, UHMW	
1	1			Gear, Bottom A	
ļ		- 1		Gear, Bottom B	
	250	3-r	44811004#01	deal, bottom b	
	251	3-G	34A11122W02	Washer, GR	
				Assy., Riv. Cover Bottom	
				Guide. Photo	
				Wire, PC Sensor(7P)	
	258		45A10101W01	Lever, Eject Sol	
	259			Pulley, Idler	
	260	4-E	44A10133W01	Gear. Take Up	
	261	3-E	44A10134W01	Gear. Sun	
	262	3-E	44B10135W01	Gear. Fix	
	263	3-E	44B30484W01	Gear, Pause	
	004	2.5	44A10137W01	Gear, Pause Idler A	
	264 265		44A10379W01	Gear. Pause Idler B	
	266		44A10138W01	Gear. Reverse Idler	
	267		44A10139W01	Gear. Motor Idler	
	268	4-E	44A11062W01	Gear, Reel Idler	
	200	1	44/11002#01		
	269	1-G	42A10380W01	Belt. GR	
•	270	3-A	01V14700W68	Assy GR Audio	
				P.C. Board	
	270	3-A	01V11500W19	Assy GR Audio	
				P.C. Board	
•	270	3-A	01V11500W19	Assy., CR Audio	
		1		P.C. Board	
	271	3-E	41A30475W01	Spring, Clutch	
	070		04B41345P15	Washer, Lock(M1.2)	
	272	4-D	04B41345P02	Washer, Lock(M1.7)	
	274	3-11	04B41345F02	Washer, Lock(M1)	
	275	2-D	04B41345F30	Washer, Lock(M3.1)	
	276	2-0	04B41345F32	Washer, Lock (M3.1)	
	277	4-E	04B41345P37	Washer, Lock(M2.1)	
	278	2-A	30T15126W02	Wire, PC Joint 7P	
	279	2-D	03S44205G78	Screw. Pan(M2x6)	
	280		03S44205G30	Screw. Pan(M2.6x4)	
	281	4-D	03S72235F53	Screw. Pan(M2x3.3)	
	000	מ_ני	03A12132W02	Screw. Eject Clutch	
	282	3-1	09417197#07	(M2x2.3)	
	202		03\$43997P64		
	283				
	284	1			
	286				
	200	120	11510000,00		

	001	IN-	Part No.	Description
_	287	dex 2-B	41A10387W01	Spring, Pinch Roller
		3-D	43A12719W01	Roller, Pause
			01B30863W01	Assy., Pinch Roller
		3-B	84T25151W01	Head P.C. Board
- 1	290	2-B 4-E	01T35403W01	Assy., Reel
	291	4-6	01100400#01	130717 11001
	292	4-E	04B41345P12	Washer, Lock(MI.7)
- 1	293	4-D	01A30161W01	Assy., Riv Lever
	200			Take Up
	294	3-F	04B41345P34	Washer Lock (Mi.2)
- 1	296	4-D	41A40910W01	Spring, Clutch
	297	4-E	43A41543W01	Washer, Som(M1.2)
	298	3-E	47A41458W01	Pin, Take Up
	299	4-C	43A40388W01	Spacer, Polyslider
	300	2-D	43A41744W01	Lock, Solenoid
				·
1				
			Misc	ellaneous
	501	2-B	88T15971W01	Head
	501	2-B	88T10373W01	Head
	501	2-B	88T10373W01	Head
	502	4-E	01V11500W64	Assy., Motor(Main, 13.2V-80mA)
	503	3-C	51T15144W01	Sensor, Photo
	000			
	504	4-G	01T10371W01	R/F Sol. Assy.
	505	4-F	40T15382W01	SW Detector
				(Pack Down)
	506	4-G	40T15382W01	SW Detector(Metal)
	507	2-C		
	"			
	508	2-D	01T15249W01	Assy Play Solenoid
		1		
	509	4-D	01T10369W02	Assy., Eject Solenoid
				1
		1		
	1			
	1			
	1	1	1	1

## Exploded View (GR75L Series) (2/4)



A B C D E F G I

## Cassette Deck Assembly Parts List (GR75E Series) (2/4)

100	IN-	Part No.	Description
203	dex 3-C	43A11072W01	Roll, Sub Head
204		04B41345P01	Washer, Lock(M1.2)
206	2-B	41A31756W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape, Guide
		0.44000000	A Divilous D/D
210	4-C	01A10206W01	Assy., Riv Lever R/F Sol.
211	2-D	04B41345P29 .	Washer, Lock (M2.6)
213	2-D	44A10295W01	Gear. Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A30480W01	Gear. Planet
216	3-E	41A10097W02	Spring, Clutch
217	3-E	04B41345P35	Washer, Lock(M1.7)
218	3-E	01A30824W01	Assy., Riv Lever
210		02110000	Reverse
219	4-B	07B40283W01	Holder, Cassette
220	5 <b></b> B	43A12583W01	Roller, Eject
221	5-C	43A63281F01	Roller, Plate Base
222	5-C	44A82206F01	Rack
223	5-C	41B10386W03	Spring, GR(Rack)
224	4-C	43A10121W01	Roller, Eject(A)
225	4-D	43A10360W01	Roller, Eject(B)
ooe		04B41345P11	Washer, Lock(M1.2)
226	4-D	43A12377W01	Roller, Eject(C)
227	4-A	45B10376W01	Slider
230	4-A 4-B	47A63278F01	Shaft. Slider
231 232	4-1	01A10212W01	Assy., Riv Plate Base
			a to Division
233	4-C	41B10386W01	Spring, Eject Arm
234	4-B	01A21754W01	Assy., Riv Eject
		0.100000000000	Arm(A)
235	3-B	01B30863W02	Assy., Pinch Roller
236	4-C	45A10087W01	Lever, Pack In SW.
237	4-F	44A20314W01	Pinion. Eject
238	4-E	44A13617W01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy Riv Lever
			Pause
240	2-E	45A40725W01	Lever, Play Sol
241		76T10374W01	Chip
242	1-G	04S40075G05	Washer, Polyslider
			(M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244	3-F	44A10141W01	Gear. Eject Idler
245	3-E	01A10205W02	Assy., Riv Lever
0	0 P	AAA101AEU04	Clutch(A) Gear. Eject
246	3-F		Assy. GR Control
247	2-B	01V23700W03	P.C. Board

•	LIST	•		ithout parts list are not supplied.
1	Cumbal	IN-	e. The parts w	ithout parts fist are not supplied.
	Symbol		Part No.	Description
	No. 248	dex 3-G	43A41656W01	Spacer. UHMW
	249	3-G	44A11063W01	Gear. Bottom(A)
	1	3-F	44A11064W01	Gear. Bottom(B)
	250			Washer GR
	251	3-G	34A11122W02	Assy. Riv. Cover Bottom
1	252	3-H	01A10210W02	Assy., Riv. Cover Bottom
	25.4		150110051101	Culdo Dhasa
	254	3-G	15B11065W01	Guide, Photo
	255	4-G	30T15126W01	Wire, PC Sensor (7P)
	258	4-D	45A10101W01	Lever, Eject Sol.
	259	3-D	49A10131W01	Pulley, Idler
	260	4-E	44A10133W01	Gear. Take Up
		0.13	44440104001	0
	261	3-E	44A10134W01	Gear, Sun
	262	3-E	44B10135W01	Gear, Fix
	263	3-E	44B21670W01	Gear, Pause
	264	3-F	44A10137W01	Gear, Pause idier(A)
	265	3-1)	44A10379W01	Gear. Pause Idler(B)
				Cara Davage Idlan
	266	3-E	44A10138W01	Gear. Reverse idler
	267	3-E	44A10139W01	Gear, Motor Idler
	268	4-E	44A11062W01	Gear Reel Idler
	269	1-G	42A10380W01	Belt. GR
	270	3-A	01V14700W68	Assy GR Audio
				P.C. Board
	07.	0.5	414004751101	Caring Clutch
	271	3-E	41A30475W01	Spring, Clutch Washer, Lock(MI.2)
	272	3-F	04B41345P15	Washer, Lock(M1.7)
	273	4-D	04B41345P02	Washer, Lock(M1)
	274	3-H	04B41345P17 04B41345P30	Washer, Lock (M3.1)
	275	2-D	04041343130	Masher Lock (No.1)
	276		04B41345P32	Washer, Lock(M3.1)
	277	4-E	04B41345P37	Washer, Lock(M2.1)
	278	2-A	30T15126W02	Wire, PC Joint 7P
	279	2-D	03S44205G78	Screw, Pan(M2x6)
	280	2 0	03S44205G30	Screw. Pan(M2.6x4)
	200		00017200000	
	281	4-1)	03S72235F53	Serew. Pan(M2x3.3)
	282	3-F	03A12132W02	Screw. Eject Clutch
				(M2x2.3)
	283		03S43997P64	Screw. Pan(M1.7x3)
	284	3-F	41A10384W01	Spring, Eject Clutch
	285	3-E	41A10385W01	Spring, Cas. Push
	286	2-C	41B10386W02	Spring, Sub Head
	287	2-B	41A10387W01	Spring, Pinch Roller
	288	3-D	43A12719W01	Roller. Pause
	289	3-B	01B30863W01	Assy. Pinch Roller
	290	2-B	84T25151W01	Head P.C. Board
		1		

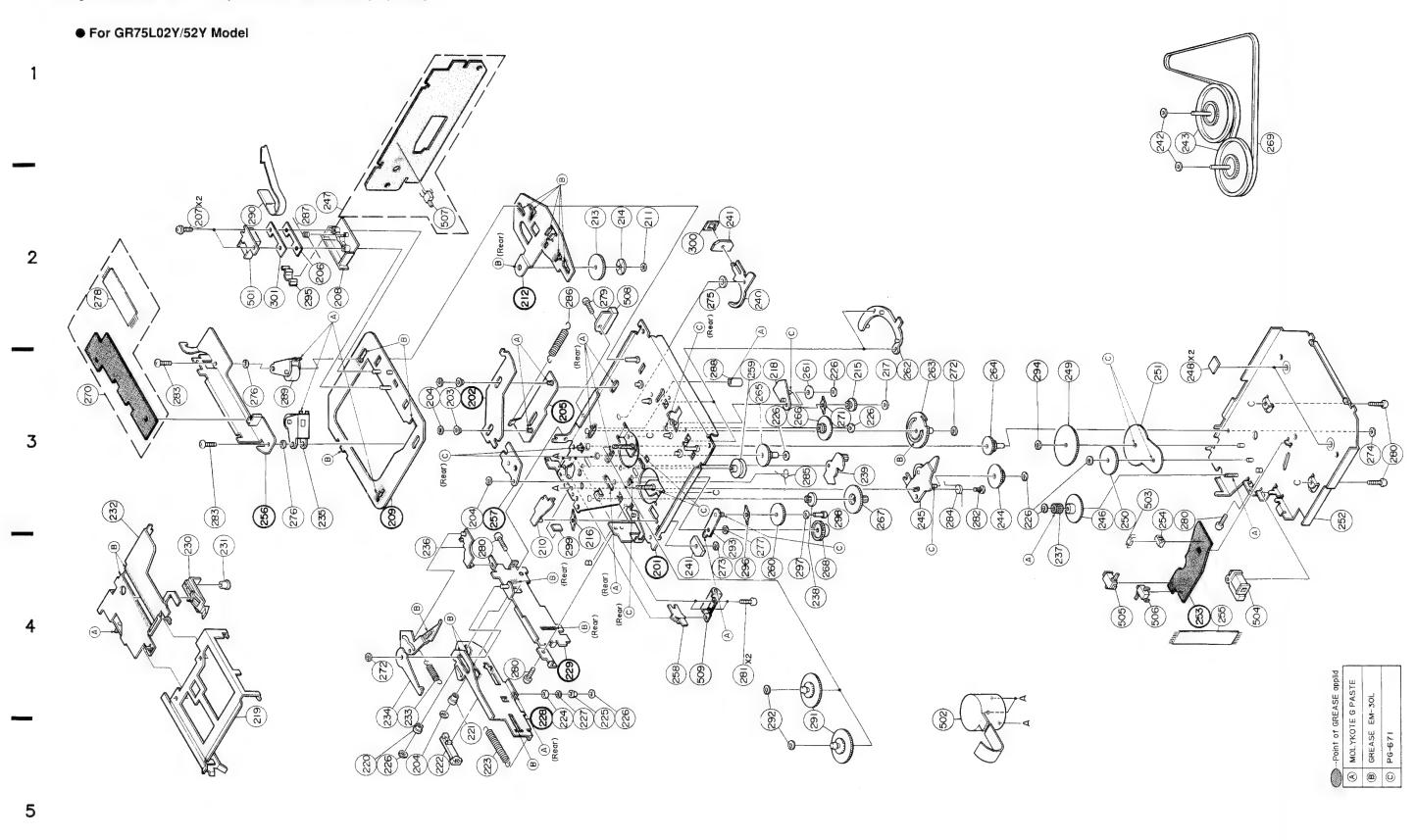
	bo1	IN-	Part No.	Description
	0.	dex	01705400100	Assy. Reel
	291	4-E	01T35403W02	
- 1	292	4-E	04B41345P12	Washer, Lock(M1.7)
	293	4-D	01A30161W01	Assy., Riv Lever
ı				Take Up
- 1	294	3-F	04B41345P34	Washer, Lock(M1.2)
	295	2-B	26A20537W01	Shield, Plate
	296	4-D	41A40910W01	Spring, Clutch
	297		43A41543W01	Washer, Som (Mi.2)
-	298	3-E	47A41458W01	Pin. Take Up
			43A40388W01	Spacer, Polyslider
1	299	3-D		Lock, Solenoid
Ì	300	2-D	43A41744W01	DOCK, SOTERIOTE
		J	Misc	ellaneous
	501	2-B	88T15971W01	Head
	502	4-E	01V23900W60	Assy Motor(13.2V-105mA)
	502	4-E	01V43400W37	Assy., Motor(13.2V-88mA)
	503	3-G	51T15144W01	Sensor, Photo
		1	01T10371W01	R/F Sol. Assy
	504	4-G	011103/1#01	1/1 001. 1004
ļ			ADTECOROUGI	SW., Detector (Pack Down)
	505	4-F	40T15382W01	SW. Detector (Metal)
	506	4-G	40T15382W01	
	507	2-C	40T15222W01	SW., Detector (Pack In)
	508	2-D	01T15249W01	Assy., Play Solenoid
	509	4-D	01T10369W02	Assy., Eject Solenoid
		1		
	ļ			
	-			
	1			
I				

Notes : ◆ ; For GR75L020 model only ○ ; For GR75L02A model only

Others; Common

Notes : ◆ ; For GR75L020 model only ○ ; For GR75L02A model only

## Exploded View (GR-Y Series) (3/4)



A B C D E F G L

## Cassette Deck Assembly Parts List (GR-Y Series) (3/4)

3 -C	00! 0.	1N- dex	Part No.	Description
OB41345P01   Washer. Lock(M1.2)   Spring. Head   Screw. F-Locks(M2x4)   Tape. Guide	03		43411072W01	Roll Sub Head
Section   Sect	04	3.0		
2-B	_	9D		1
3		1		
A-C		ļ.		
Sol.   Sol.   Washer. Lock(M2.6)   Gear. Sensor   Reflector   Gear. Planet	8	2-8	43B12545WU1	lape, Guide
2-D	10	4-C	01A10206W01	
2-D	li	2-D	04B41345P29	Washer, Lock(M2.6)
1	13	1		Gear, Sensor
3-E		1		· ·
3-E	15	1		
3-E	16		41410007N02	Spring Clutch
3-E	10 17	2_0		
Reverse		1		
3	18	0-E	ULNOU024WUL	
S-B	10	4.5	0704000000	
S-C	19	i i		
S-C	20	5-B	43A12583WU1	Koller, Eject
Spring. GR(Rack)   Spring. GR(Rack)   A-C   43A10121W01   A3A10360W01   Roller. Eject(A)   Roller. Eject(B)	21	5-C	43A63281F01	Roller, Plate Base
S	22	5-C	44A82206F01	Rack
4 4-C  43A10121W01	23	1		Spring, GR(Rack)
A-D	24	1	1	
04B41345P11 Washer. Lock(M1.2) 7 4-D 43A12377W01 Roller. Eject(C) 91ider 14-B 47A63278F01 Shaft. Slider 24-A 01A10212W01 Assy Riv Plate Base  Spring. Eject Arm A-B 01A21754W01 Assy Riv Eject Arm(A) Assy Pinch Roller Lever. Pack In SW. Pinion. Eject  4-E 44A13617W01 Gear. Motor Idler(B) Assy Riv Lever Pause Lever. Play Sol. Chip Washer. Polyslider (M2.1)  Assy Flywheel Gear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject	25	t		
4-D 43A12377W01 A5B10376W01 Slider 4-A 47A63278F01 Slider A7A63278F01 Shaft. Slider A7A63278F01 Shaft. Slider A7A63278F01 Assy Riv Plate Base  3 4-C 41B10386W01 Spring. Eject Arm Assy Riv Eject Arm Assy Riv Eject Arm Assy Riv Eject Arm Assy Pinch Roller Lever. Pack In SW. Pinion. Eject  4-E 44A13617W01 Gear. Motor Idler(B) Assy Riv Lever Pause D1A10201W02 Assy Riv Lever Pause Lever. Play Sol. Chip Washer. Polyslider (M2.1)  3 1-G 01A10368W01 Assy Flywheel Cear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject			10.110000,01	
1	26		04B41345P11	Washer, Lock(M1.2)
1 4-B 47A63278F01 Shaft. Slider 2 4-A 01A10212W01 Assy., Riv Plate Base 3 4-C 41B10386W01 Spring. Eject Arm 4 4-B 01A21754W01 Assy., Riv Eject Arm(A) 5 3-B 01B30863W02 Assy., Pinch Roller 6 4-C 45A10087W01 Lever. Pack In SW. 7 4-F 44A20314W01 Pinion. Eject 8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Assy., Riv Lever Pause 10 2-D 45A40725W01 Chip 11 76T10374W01 Chip 12 1-G 01A10368W01 Assy., Plywheel 13 1-G 01A10368W01 Assy., Flywheel 14 3-F 44A10141W01 Gear. Eject Idler 15 3-E 01A10205W02 Assy., Riv Lever Clutch(A) 16 8-F 44A10145W01 Gear. Eject	27	4-D	43A12377W01	Roller. Eject(C)
4 -A 01A10212W01 Assy Riv Plate Base  4 -C 41B10388W01 Spring. Eject Arm  4 -B 01A21754W01 Assy Riv Eject  Arm(A)  5 3-B 01B30863W02 Assy Pinch Roller  6 4-C 45A10087W01 Lever. Pack In SW.  Pinion. Eject  8 4-E 44A13617W01 Gear. Motor Idler(B)  9 3-E 01A10201W02 Assy Riv Lever  Pause  1 0 2-D 45A40725W01 Chip  2 1-G 04S40075G05 Washer. Polyslider  (M2.1)  3 1-G 01A10368W01 Assy Flywheel  4 3-F 44A10141W01 Gear. Eject Idler  Assy Riv Lever  Clutch(A)  Gear. Eject	30	4-A	45B10376W01	Slider
3 4-C 41B10386W01 Spring. Eject Arm 4 4-B 01A21754W01 Assy Riv Eject Arm(A) 5 3-B 01B30863W02 Assy Pinch Roller 6 4-C 45A10087W01 Lever. Pack In SW. 7 4-F 44A20314W01 Finion. Eject 8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Assy Riv Lever Pause Lever. Play Sol. 1 76T10374W01 Chip 2 1-G 04S40075G05 Washer. Polyslider (M2.1) 3 1-G 01A10368W01 Assy Flywheel 14 3-F 44A10141W01 Gear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject	31	4-B	47A63278F01	Shaft, Slider
4 4-B 01A21754W01 Assy. Riv Eject Arm(A) 5 3-B 01B30863W02 Assy. Pinch Roller 6 4-C 45A10087W01 Lever. Pack In SW. 7 4-F 44A20314W01 Gear. Motor Idler(B) 8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Assy. Riv Lever Pause 10 2-D 45A40725W01 76T10374W01 11 76T10374W01 Chip Washer. Polyslider 12 1-G 01A10368W01 Assy. Flywheel 14 3-F 44A10141W01 Gear. Eject Idler 15 3-E 01A10205W02 Clutch(A) 16 8-F 44A10145W01 Gear. Eject	32	4-A	01A10212W01	Assy., Riv Plate Base
4 4-B 01A21754W01 Assy. Riv Eject Arm(A) 5 3-B 01B30863W02 Assy. Pinch Roller 6 4-C 45A10087W01 Lever. Pack In SW. 7 4-F 44A20314W01 Gear. Motor Idler(B) 8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Assy. Riv Lever Pause 10 2-D 45A40725W01 76T10374W01 11 76T10374W01 Chip Washer. Polyslider 12 1-G 01A10368W01 Assy. Flywheel 14 3-F 44A10141W01 Gear. Eject Idler 15 3-E 01A10205W02 Clutch(A) 16 8-F 44A10145W01 Gear. Eject	33	4-C	41B10386W01	Spring. Eject Arm
Arm(A) Assy Pinch Roller Lever. Pack In SW. Pinion. Eject  4-E 44A13617W01 Gear. Motor Idler(B) Assy Riv Lever Pause Lever. Play Sol. Chip Washer. Polyslider (M2.1)  3 1-G 01A10368W01 Assy Flywheel (M2.1)  3 1-G 01A10368W01 Assy Flywheel Cear. Eject Idler Assy Riv Lever (M2.1)	34	1		
5 3-B 01B30863W02 Assy Pinch Roller Lever. Pack In SW. Pinion. Eject  8 4-E 44A13617W01 Gear. Motor Idler(B) Assy Riv Lever Pause Lever. Play Sol. Chip Washer. Polyslider (M2.1)  1 1-G 01A10368W01 Assy Flywheel Gear. Eject Idler Assy Riv Lever (M2.1)  8 1-G 01A10308W01 Assy Flywheel Gear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject		1		
6 4-C 45A10087W01 Lever. Pack In SW. 7 4-F 44A20314W01 Pinion. Eject  8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Lever. Play Sol. 1 76T10374W01 Chip Washer. Polyslider (M2.1)  3 1-G 01A10368W01 Assy Flywheel Gear. Eject Idler Assy Riv Lever Clutch(A) 16 8-F 44A10145W01 Gear. Eject	35	3-R	01B30863W02	
7 4-F 44A20314W01 Pinion. Eject  8 4-E 44A13617W01 Gear. Motor Idler(B) 9 3-E 01A10201W02 Assy Riv Lever Pause 10 2-D 45A40725W01 Chip 11 76T10374W01 Chip 12 1-G 04S40075G05 Washer. Polyslider 13 1-G 01A10368W01 Assy Flywheel 14 3-F 44A10141W01 Gear. Eject Idler 15 3-E 01A10205W02 Assy Riv Lever 16 8-F 44A10145W01 Gear. Eject	36	1		
9 8-E 01A10201W02 Assy. Riv Lever Pause Lever. Play Sol. 76T10374W01 Chip 2 1-G 04S40075G05 Washer. Polyslider (M2.1) 3 1-G 01A10368W01 Assy. Flywheel 4 3-F 44A10141W01 Gear. Eject Idler Assy. Riv Lever Clutch(A) Gear. Eject	37	1		1
9 8-E 01A10201W02 Assy. Riv Lever Pause Lever. Play Sol. 76T10374W01 Chip 2 1-G 04S40075G05 Washer. Polyslider (M2.1) 3 1-G 01A10368W01 Assy. Flywheel 4 3-F 44A10141W01 Gear. Eject Idler Assy. Riv Lever Clutch(A) Gear. Eject	38	4-F	44413617901	Gear, Motor Idler(B)
Pause Lever. Play Sol. 76T10374W01 Chip Vasher. Polyslider (M2.1)  3 1-G 01A10368W01 Assy Flywheel Gear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject	239			
0 2-D 45A40725W01 Chip 1 1-G 04S40075G05 Washer, Polyslider (M2.1) 3 1-G 01A10368W01 Assy., Flywheel 4 3-F 44A10141W01 Gear, Eject Idler 5 8-E 01A10205W02 Assy., Riv Lever Clutch(A) 6 8-F 44A10145W01 Gear, Eject	.03	"	21/11/2014/02	
76T10374W01 Chip 04S40075G05 Washer. Polyslider (M2.1)  3 1-G 01A10368W01 Assy Flywheel 4 3-F 44A10141W01 Gear. Eject Idler Assy Riv Lever Clutch(A) Gear. Eject	940	2-0	45440795901	
2 1-G 04S40075G05 Washer, Polyslider (M2.1)  3 1-G 01A10368W01 Assy., Flywheel 4 3-F 44A10141W01 Gear, Eject Idler Assy., Riv Lever Clutch(A) Gear, Eject	240	2-0		\$
(M2.1)  3 1-G 01A10368W01 Assy. Flywheel 4 3-F 44A10141W01 Gear. Eject Idler 5 3-E 01A10205W02 Assy. Riv Lever Clutch(A) Gear. Eject	241	1,_^		
4 3-F 44A10141W01 Gear. Eject Idler 5 8-E 01A10205W02 Assy Riv Lever Clutch(A) Gear. Eject	242	1-6	04940019000	
4 3-F 44A10141W01 Gear. Eject Idler 5 8-E 01A10205W02 Assy Riv Lever Clutch(A) Gear. Eject	243	1-0	01410368901	Assv., Flywheel
	_			
Clutch(A)  8 8-F 44A10145W01 Gear, Eject	244			
	245	3-E	OTVIOZO2MOS	
	248	3-F	44A10145W01	Gear. Eject
A TO TATE O TAKE OF THE OWN OF THE OWN OWN THE	247	2-B	01V23700W03	Assy., GR Control

	•		rithout parts list are not supplied.
Symbol Symbol	1N-		
No.	dex	Part No.	Description
◇ 247		01V44200W74	Assy., GR Control P.C. Board
248	3 <b>-</b> C	43A41656W01	Spacer, UNMW
249	3-F	44A11063W01	Gear, Bottom(A)
250	3-F	44A11064W01	Gear, Bottom(B)
251	3-G	34A11122W02	Washer, GR
252	3-11	01A10210W02	Assy., Riv. Cover Bottom
254	3-G	15B11065W01	Guide. Photo
255	4-G	30T15126W01	Wire. PC Sensor(7P)
258	4-D	45A10101W01	Lever, Eject Sol.
259	3-D	49A10131W01	Pulley, Idler
200		4444040000	Ones Tale No
260		44A10133W01	Gear. Take Up
261	3-E	44A10134W01	Gear, Sun
262	3-E	44B10135W01	Gear, Fix
263	3-E	44B21670W01	Gear, Pause
264	3-F	44A10137W01	Gear. Pause Idler(A)
265	3-D	44A10379W01	Gear. Pause Idler(B)
266	3-E	44A10138W01	Gear, Reverse Idler
267	3-E	44A10139W01	Gear, Motor Idler
268		44A11062W01	Gear. Reel idler
269	1-G	42A10380W01	Belt. GR
270	3-A	01V33300W03	Assy., GR Audio
07:	0.5	414004751101	P.C. Board
271	3-E	41A30475W01	Spring, Clutch
272	3-F	04B41345P15	Washer, Lock (M1.2)
273	0 11	04B41345P02	Washer, Lock (M1.7)
274	3-11	04B41345P17	Washer, Lock(M1)
275	2-D	04B41345P30	Washer, Lock(M3.1)
276	3-B	04B41345P32	Washer, Lock(M3.1)
277	4-E	04B41345P37	Washer, Lock (M2.1)
278	2-A	30T15126W02	Wire, PC Joint 7P
279	ì	03S44205G78	Screw Pan(M2x6)
280		03S44205G30	Screw. Pan(M2.6x4)
281	4-D	03S72235F53	Screw, Pan(M2x3.3)
282	3-F	03A12132W02	Screw, Eject Clutch
005		00040000004	(M2x2.3)
283		03S43997P64	Screw, Pan (M1.7x3)
284	3-F	41A10384W01	Spring, Eject Clutch
285	3-E	41A10385W01	Spring, Cas. Push
286	2-C	41B10386W02	Spring. Sub Head
287	2-B	41A10387W01	Spring. Pinch Roller
288	3-D	43A12719W01	Roller, Pause
289	3-B	01B30863W01	Assy Pinch Roller
290	2-B	84T35271W01	ilead P.C. Board

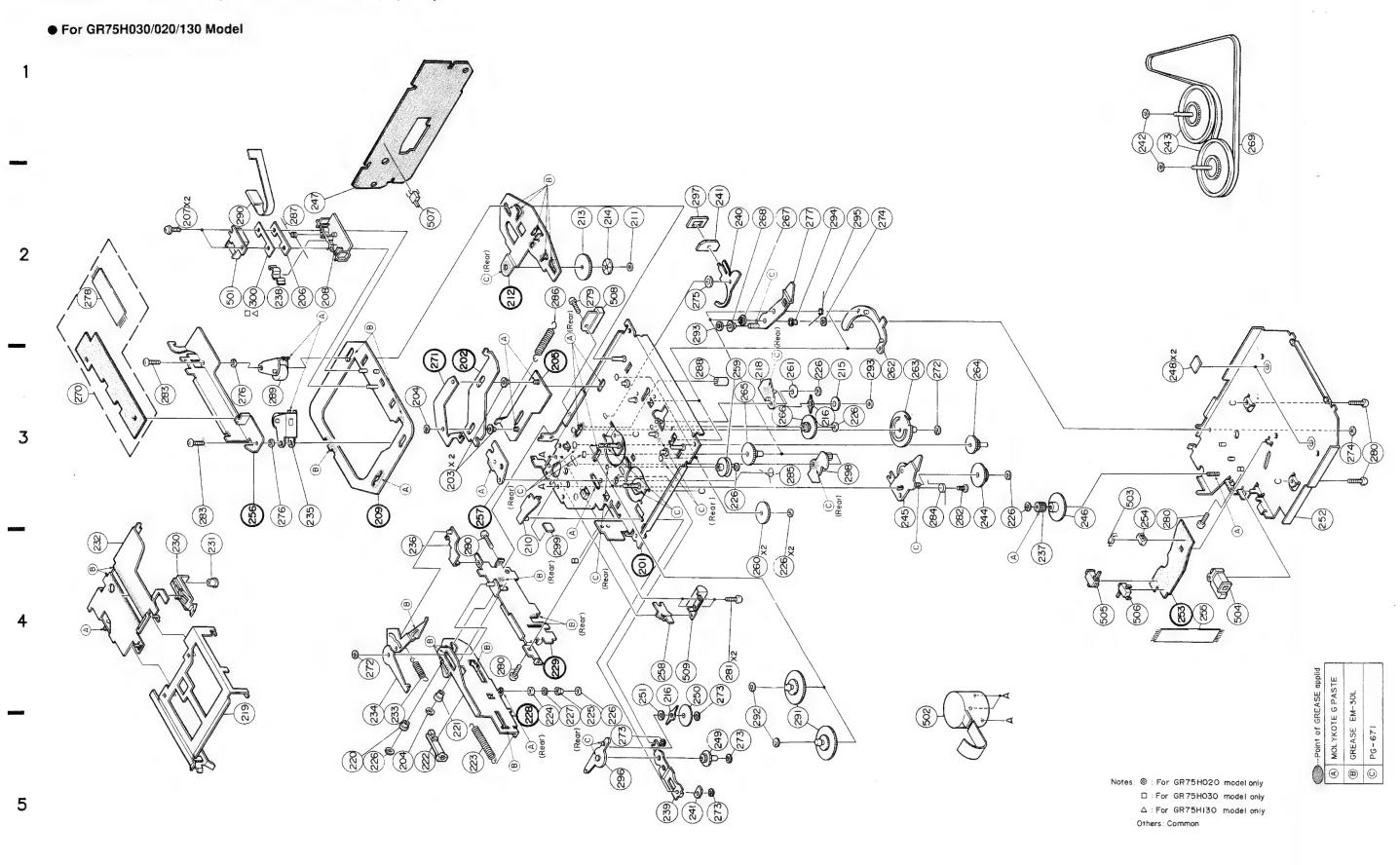
No.   dex   No.   dex				T
No.   dex     291   4-E   01735403W02   Assy Reel     292   4-E   04841345P12   Washer. Lock(M1.7)   Assy Riv Lever   Take Up   Washer. Lock(M1.2)   Shield. Plate   295   2-B   26A20537W01   Shield. Plate   296   4-D   41A40910W01   Spring. Clutch   Washer. Som(M1.2)   298   3-E   47A41458W01   Assy Motor(M1.2)   298   3-E   47A41458W01   Spacer. Polyslider   Lock. Solenoid   300   2-D   43A41744W01   Lock. Solenoid   Spring. Head     ring. Head     Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring. Head   Spring	Symbo	1   IN-	Part No	Description
292 4-E 04B41345P12 Washer, Lock(M1.7) 293 4-D 01A30161W01 Assy. Riv Lever Take Up 294 3-F 04B41345P34 Washer, Lock(M1.2) 295 2-B 26A20537W01 Shield, Plate  296 4-D 41A40910W01 Spring, Clutch 297 4-E 43A41543W01 Washer, Som (M1.2) 298 3-E 47A41458W01 Pin, Take Up 299 3-C 43A40388W01 Spacer, Polyslider 200 2-D 43A41744W01 Lock, Solenoid  301 2-B 41A41416W01 Spring, Head  Miscellaneous  Miscell	No.	de		D00011711011
292 4-E 04B41345P12 Washer, Lock(M1.7) 293 4-D 01A30161W01 Assy Riv Lever Take Up 294 3-F 04B41345P34 Washer, Lock(M1.2) 295 2-B 26A20537W01 Shield, Plate  296 4-D 41A40910W01 Spring, Clutch 297 4-E 43A41543W01 Washer, Som(M1.2) 298 3-E 47A41458W01 Pin, Take Up 299 3-C 43A40388W01 Spacer, Polyslider 300 2-D 43A41744W01 Lock, Solenoid  301 2-B 41A41416W01 Spring, Head  Miscellaneous  Miscell	29	1 4-E	01T35403W02	Assy. Reel
293 4-D 01A30161W01 Assy. Riv Lever Take Up  294 3-F 04B41345P34 Washer, Lock(M1.2) 295 2-B 26A20537W01 Shield, Plate  296 4-D 41A40910W01 Spring, Clutch 297 4-E 43A41543W01 Washer, Som(M1.2) 298 3-E 47A41458W01 Pin, Take Up 299 3-C 43A40388W01 Spacer, Polyslider 300 2-D 43A41744W01 Lock, Solenoid  301 2-B 41A41416W01 Spring, Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Assy. Motor(13.2V-105mA) Assy. Motor(13.2V-80mA) Solution Spring Sensor, Photo R/F Sol. Assy  505 4-F 40715382W01 Sw., Detector (Pack Down) 506 4-G 40715382W01 Sw., Detector (Metal) 507 2-C 40715222W01 Sw., Detector (Pack In) 508 2-D 01715249W01 Assy., Play Solenoid			D4R41345P12	Washer, Lock(M1.7)
Take Up  294 3-F 04B41345P34 Washer. Lock (M1.2)  295 2-B 26A20537W01 Shield. Plate  296 4-D 41A40910W01 Spring. Clutch  297 4-E 43A41543W01 Washer. Som (M1.2)  298 3-E 47A41458W01 Pin. Take Up  299 3-C 43A40388W01 Spacer. Polyslider  200 2-D 43A41744W01 Lock. Solenoid  301 2-B 41A41416W01 Spring. Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Spring. Head  Assy Motor(13.2V-105mA)  Assy Motor(13.2V-80mA)  Sonsor. Photo  R/F Sol. Assy  505 4-F 40T15382W01 Sw Detector (Pack Down)  506 4-G 40T15382W01 Sw Detector (Metal)  507 2-C 40T15222W01 Sw Detector (Pack In)  508 2-D 01T15249W01 Assy Play Solenoid	1			
294 3-F 26A20537W01 Shield. Plate  296 4-D 41A40910W01 Spring. Clutch 297 4-E 43A41543W01 Washer. Som(M1.2) 298 3-E 47A41458W01 Pin. Take Up 299 3-C 43A40388W01 Spring. Head  300 2-D 43A41744W01 Lock. Solenoid  301 2-B 41A41416W01 Spring. Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Spring. Head  Spr	29	13 4-0	01720101#01	
295 2-B 26A20537W01 Shield. Plate  296 4-D 41A40910W01 Spring. Clutch 297 4-E 43A41543W01 Washer. Som(M1.2) 298 3-E 47A41458W01 Pin. Take Up 299 3-C 43A40388W01 Spacer. Polyslider 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
296 4-D 41A40910W01 Spring. Clutch 297 4-E 43A41543W01 Washer. Som(M1.2) 298 3-E 47A41458W01 Pin. Take Up 299 3-C 43A40388W01 Spacer. Polyslider 300 2-D 43A41744W01 Lock. Solenoid 301 2-B 41A41416W01 Spring. Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Spring. Clutch Washer. Som(M1.2) Pin. Take Up Spacer. Polyslider Lock. Solenoid  Spring. Head  Assy Motor(13.2V-105mA) Assy Motor(13.2V-105mA) Assy Motor(13.2V-80mA) Sonsor. Photo R/F Sol. Assy  505 4-F 40T15382W01 Sw Detector (Pack Down) 506 4-G 40T15382W01 Sw Detector (Metal) 507 2-C 40T15222W01 Sw Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid	29	14 3-F	04B41345P34	
297 4-E 43A41543W01	29	5 2-B	26A20537W01	Shield, Plate
297 4-E 43A41543W01				
297 4-E 43A41543W01	20	6 A-D	41A40910W01	Spring, Clutch
298 3-E 47A41458W01 Pin. Take Up 299 3-C 43A40388W01 Spacer. Polyslider 300 2-D 43A41744W01 Lock. Solenoid 301 2-B 41A41416W01 Spring. Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Spring. Head  Solution Assy Motor(13.2V-105mA) Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Motor(13.2V-80mA) Solution Assy Detector (Pack Down) Solution According Authority Authority Assy Detector (Pack In) Assy Play Solenoid				
299 3-C 43A40388W01 Spacer. Polyslider Lock. Solenoid  301 2-B 41A41416W01 Spring. Head  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous   Miscellaneous  501 2-B 88T15971W01 Head Assy Motor(13.2V-105mA)  502 4-E 01V43900W60 Assy Motor(13.2V-80mA)  503 3-G 51T15144W01 Sensor. Photo 504 4-G 01T10371W01 R/F Sol. Assy  505 4-F 40T15382W01 SW Detector (Pack Down)  506 4-G 40T15382W01 SW Detector (Metal)  507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid	"			
300   2-D   43A41744W01   Lock. Solenoid     301   2-B   41A41416W01   Spring. Head				
Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Miscellaneous  Head  Assy. Motor(13.2V-105mA)  Assy. Motor(13.2V-80mA)  Sonor Photo  R/F Sol. Assy  504 4-G 01710371W01 R/F Sol. Assy  505 4-F 40T15382W01 SW Detector (Pack Down)  506 4-G 40T15382W01 SW Detector (Metal)  507 2-C 40T15222W01 SW Detector (Pack In)  508 2-D 01T15249W01 Assy. Play Solenoid	29	99   3-C	43A40388W01	
Miscellaneous  Miscellaneous  by 501   2-B   88T15971W01   Head   Assy Motor(13.2V-105mA)    502   4-E   01V23900W60   Assy Motor(13.2V-105mA)    503   3-G   51T15144W01   Sensor. Photo    504   4-G   01T10371W01   R/F Sol. Assy    505   4-F   40T15382W01   SW Detector (Pack Down)    506   4-G   40T15382W01   SW Detector (Metal)    507   2-C   40T15222W01   SW Detector (Pack In)    508   2-D   01T15249W01   Assy Play Solenoid	30	00 2-D	43A41744W01	Lock, Solenoid
Miscellaneous  Miscellaneous  by 501   2-B   88T15971W01   Head   Assy Motor(13.2V-105mA)    502   4-E   01V23900W60   Assy Motor(13.2V-105mA)    503   3-G   51T15144W01   Sensor. Photo    504   4-G   01T10371W01   R/F Sol. Assy    505   4-F   40T15382W01   SW Detector (Pack Down)    506   4-G   40T15382W01   SW Detector (Metal)    507   2-C   40T15222W01   SW Detector (Pack In)    508   2-D   01T15249W01   Assy Play Solenoid	20	) 2-R	A1 AA1 A1 6W01	Spring, Head
Description	30	71 2-5	41441410#01	Spring, read
Description				
☆     502     4-E     01V23900W60 01V44200W73 01V442000W73 01V44200W73 01V44200W73 01V44200W73 01V44200W73 01V44200W7				
\$\begin{array}{cccccccccccccccccccccccccccccccccccc	50	01   2-B	88T15971W01	
<ul> <li></li></ul>	☆ 50	02 4-E	01V23900W60	Assy Motor (13.2V-105mA)
503 3-G 51T15144W01 Sensor Photo 504 4-G 01T10371W01 R/F Sol. Assy  505 4-F 40T15382W01 SW Detector (Pack Down) 506 4-G 40T15382W01 SW Detector (Metal) 507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid		02 4-F	01V44200W73	Assy., Motor(13.2V-80mA)
504 4-G 01T10371W01 R/F Sol. Assy  505 4-F 40T15382W01 SW Detector (Pack Down) 506 4-G 40T15382W01 SW Detector (Metal) 507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid		1		
505 4-F 40T15382W01 SW Detector (Pack Down) 506 4-G 40T15382W01 SW Detector (Metal) 507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid		i		
506 4-G 40T15382W01 SW Detector (Metal) 507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid	50	04   4-G	011103/1W01	n/1 301. n333
506 4-G 40T15382W01 SW Detector (Metal) 507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid	6,	NE 4. E	40T: 5299W01	SW Detector (Pack Down)
507 2-C 40T15222W01 SW Detector (Pack In) 508 2-D 01T15249W01 Assy Play Solenoid				
508 2-D 01T15249W01 Assy. Play Solenoid				
	50	07   2-C	40T15222W01	
509 4-D 01T10369W02 Assy. Eject Solenoid	50	08 2-D	01T15249W01	Assy., Play Solenoid
	50	09 4-D	01T10369W02	Assy., Eject Solenoid
	i	1		
	.	ļ		
		Ì		
	-		İ	
		j		
	i			
		Į		
		-		
		ļ		
		- 1		į
	1 1	1		

Notes:☆: For GR75L02Y model only ◇: For GR75L52Y model only

Others : Common

Notes:☆: For CR75L02Y model only ◇: For CR75L52Y model only Others: Common

## Exploded View (GR75H Series) (4/4)



## Cassette Deck Assembly Parts List (GR75H Series) (4/4)

Note: The parts without parts list are not supplied.

Sym	- 1	IN-	Part No.	Description
	203	dex 3-C	43A31453W01	Roller, Sub Head
	- 1	3-0		Washer, Lock (M1.2)
	204	۸ ۵	04B41345P01	
	206	2-B	41A31756W01	Spring, Head
- 1	207	2-A	03A38021W01	Screw. Flange(M2x4)
	208	2-B	43B12545W01	Tape, Guide
	210	4-C	01A30462W01	Assy., Riv Lever R/F Sol
	211	2-D	04B41345P29	Washer, Lock (M2.6)
	213	2-D	44A10295W01	Gear, Sensor
	214	2-D	14A10681W01	Reflector
	215	3-E	44A30480W01	Gear. Planet
	216		41A30475W01	Spring, Clutch
		9_P		Assy., Riv Lever Reverse
	218	3-E	01A30824W01	Holder, Cassette
	219	4-B	07B40283W01	Holder, Cassette
	219	4-B 4-B	07B40283W01 07B40012W01	Holder, Cassette
-				
	220	5-B	43A12583W01	Roller, Eject
	221	5-C	43A63281F01	Roller, Plate Base
	222	5-C	44A82206F01	Rack
0	223	5-C	41B10386W03	Spring, GR(Rack)
	223	5-C	41B10386W03	Spring, GR(Rack)
Δ	223	5-C	41B10386W04	Spring, GR(Rack)
	224	5-C	43A10121W01	Roller, Eject A
	225	5-D	43A10360W01	Roller, Eject B
	226		04B41345P11	Washer, Lock (M1.2)
	227	5-D	43A12377W01	Roller, Eject C
	000		45D1007000	Clider
	230	4-A	45B10376W01	Slider
	231	4-B	47A63278F01	Shaft, Slider
<u></u>	232	4-A	01A10212W01	Assy., Riv Plate Base
	232 232	4-A 4-A	01A10212W01 01A40024W01	Assy., Riv Plate Base
	202	1 "	011140024801	7557. 117 11410 0400
0	233	5-C	41B10386W01	Spring. Eject Arm
	233	5-C	41B10386W01	Spring, Eject Arm
Δ	233	5-C	41B63283F11	Spring
0	234	5-C	01A30883W01	Assy., Riv Eject Arm B
	234	5-C	01V30883A01	Assy Riv Eject Arm B
Δ	234	5-C	01A40021W01	Assy., Riv Eject Arm D
_	235	3-B	01B30863W02	Assy. Pinch Roller
	236	4-C	45A10087W01	Lever Pack In SW
	237	4-F	44A20314W01	Pinion. Eject
	238	2-B	26A20537W01	Shield, plate
	239	5-D	01A40881W01	Assy., Riv RF Link
1	240	2-D	45A40725W01	Lever. Play Sol.
	241	1,0	76T10374W01	Chip
	242	1-G	04S40075G05	Washer, Polyslider(M2.1)
	243	1-G	01A30488W01	Assy., Flywheel
			GR75H020 model	

		Not	e: The parts w	ithout parts list are not supplied.
Sy	ibol	1 N-	Part No.	Description
	No.	dex		
ĺ	244	3-F	44A10141W01	Gear. Eject Idler
	245	3-E	01A10205W02	Assy., Riv Lever
				Clutch A
	246	3-F	44A10145W01	Gear, Eject
	247	2-B	01V33500W45	Assy., GR Control
				P.C. Board
	248	3-G	43A41656W01	Spacer, UHMW
	249	5-D	44A30481W01	Gear. RF Idler
	250	4-D	44A30483W01	Gear, RF
	251	4-D	04S40075G58	Washer, Polyslider(M2.1)
	252	3-H	01A30463W01	Assy., Riv. Cover Bottom
	254	3-G	15B11065W01	Guide, Photo
	255	4-G	30T15126W01	Wire, PC Sensor(7P)
	258	4-D	45A10101W01	Lever. Eject Sol
	259	3-D	49A30476W01	Pulley, Idler
	260	4-E	44A30482W01	Gear, Take Up
	261	3-E	44A30478W01	Gear, Sun
	262	3-E	44B10135W01	Gear. Fix
	263	3-E	44B30484W01	Gear. Pause
	264	3-F	44A10137W01	Gear, Pause Idler A
	265	3-E	44A30486W01	Gear. Pause Idler B
	266	3-E	44A30479W01	Gear, Reverse Idler
1				
	267	2-E	44A30485W01	Gear, Motor Idler
	268	2-E	44A30487W01	Gear. Motor Clutch
	269	1-G	42A31850W01	Belt, GR
0	270	3-A	01V43400W38	Assy., GR Audio P.C. Board
	270	3-A	01V33300W03	Assy., GR Audio
	ı			P.C. Board
	270	3-A	01733300%03	Assy. GR Audio P.C. Board
	272	3-F	04B41345P15	Washer, Lock(M1.2)
	273		04B41345P02	Washer, Lock (M1.7)
1	274	3-H	04B41345P17	Washer, Lock(M1)
	275	2-D	04B41345P30	Washer, Lock(M3.1)
	•			
	276	3-B	04B41345P32	Washer, Lock (M3.1)
	277	2-E	01A30464W01	Assy., Riv Play Clutch
	278	2-A	30T15126W02	Wire, PC Joint 7P
	279	2-D	03S44205G78	Screw. Pan(M2x6)
	280	"	03S44205G30	Screw, Pan(M2.6x4)
	200		0001120000	
	281	4-D	03S72235F53	Screw. Pan(M2x3.3)
	282	3-F	03A12132W02	Screw, Eject Clutch (M2x2.3)
	283	,	03S43997P64	Screw. Pan(M1.7x3)
	284	3-F	41A10384W01	Spring, Eject Clutch
	285	3-E	41A10385W01	Spring, Cas Push
	200	0.5	#101000M01	SELLING. SHOT HOLD
	286	2-C	41B10386W02	Spring, Sub Head
	287	2-B	41A10387W01	Spring, Pinch Roller
	288	3-D	43A12719W01	Roller, Pause
	289	3-B	01B30863W01	Assy. Pinch Roller
0	290	2-B	84T25151W01	Head P.C. Board
	430	1 6-D	OAITOIDIMOI	noad 1.0. Dodiu

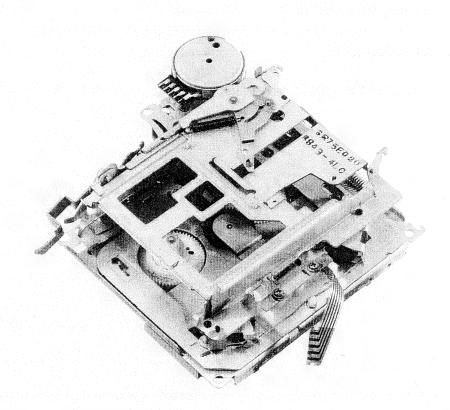
	mbol	IN-	Part No.	Description			
	No.	dex 2-B	0472507+110+	Hood D.C. Poned			
Δ	290	2-B	84T35271W01 84T35271W01	Head P.C. Board			
لمم	290	5-E	01T35403W01	Assy., Reel			
		-	1				
	292	5-E	04B41345P12	Washer, Lock (M1.7)			
	293	2-D	04B41345P35	Washer, Lock(M1.7)			
	004	0.5	404000071104	0			
	294	2-E	43A30827W01	Spacer, Motor Idler			
	295	2-E	41A30490W01	Spring, Play Clutch			
	296	5~D	01A40882W01	Assy., Riv Lever RF			
	297	2-D	34A48030W01	Washer, Solenoid			
	298	3-E	01A10201W02	Assy, Riv Lever Pause			
	000		40440000000				
	299	4-C	43A40388W01	Spacer, Polyslider			
	300	2-B	41A41416W01	Spring, Head			
Δ	300	2-B	41A41416W01	Spring. Head			
			Misce	ellaneous			
<u></u>	501	[ 0. D	DOTICOTIVAL	Head			
0	501	2-B	88T15971W01	Head			
	501	2-B	88T35406W01	Head			
Δ	501	2~B	88T35406W01	Head			
	502	5-F	01V41100W72	Assy., Motor(11.5v-85mA)			
	503	3-C	51T15144W01	Sensor, Photo			
	504	4-G	01T10371W01	R/F Sol. Assy.			
	505	4-F	40T15382W01	SW., Detector			
1				(Pack Down)			
	506	4-G	40T15382W01	SW Detector(Metal)			
ļ	507	2-C	40T15222W01	SW., Detector (Pack In)			
	508	2-D	01T15249W01	Assy., Play Solenoid			
ĺ							
Į	509	4-D	01T10369W02	Assy., Eject Solemoid			
				-			
				-			
				1			
				1			
			İ	1			
				ì			
				İ			
la		D- 01	7511000	Cl. Par OPTIVICO			
ote				only : For GR75H030 model only			
				only Others : Common - 32			

YM 206

# ILPINE SERVICE MANUAL

Cassette Deck Mechanism

# ADDENDUM & REVISED (III)



GR/GR-Y SERIES

Contents —
List of Usable Lock Washers
List of Usable Oil
List of Usable Jigs
Disassembly, Assembly and Replacement of Functional Parts
Exploded View (1/3) 17 to 18
Cassette Deck Assembly Parts List (1/3)
Exploded View (2/3)
Cassette Deck Assembly Parts List (2/3)
Exploded View (GR-Y Series) (3/3)
Cassette Deck Assembly Parts List (GR-Y Series) (3/3)

Memo

#### **List of Usable Lock Washers**

				QUANTITY	
	SIZE	PARTS NO.	GR75E Series	GR75L Series	GR-Y Series
1	$(M1.2 \times 3.5 \times 0.25)$	04B41345P01	8	7	6
2	$(M1.7 \times 3.5 \times 0.25)$	04B41345P02	1	1	2
3	$(M2.1 \times 5 \times 0.25)$	04B41345P06	1	1	0
4	$(M1.2 \times 2.5 \times 0.25)$	04B41345P11	7	7	8
5	$(M1.7 \times 3.5 \times 0.35)$	04B41345P12	2	2	2
6	$(M1.2 \times 3.5 \times 0.35)$	04B41345P15	1	1	1
7	$(M1 \times 2.5 \times 0.25)$	04B41345P17	1	1	1
8	$(M2.6 \times 5 \times 0.25)$	04B41345P29	11	1	0
9	$(M3.1 \times 8 \times 0.05)$	04B41345P30	1	1	1
10	$(M1.7 \times 3 \times 0.25)$	04B41345P31	1	1	1
11	$(M3.1\times5\times0.35)$	04B41345P32	2	2	2
12	$(M1.2 \times 2.5 \times 0.3)$	04B41345P34	1	1	0
13	$(M2.1\times4\times0.25)$	04B41345P37	0	0	1
14	$(M2.6 \times 4.7 \times 0.25)$	04B41345P38	0	0	1

#### List of Usable Oil

- Molykote E paste
   Grease EM-30L
- 3) Grease FLOIL 425A

## **List of Usable Jigs**

- 1) GR bottom gear jig (Part No. 44A20788W01)
- 2) Head height adjustment gauge Al-500 (Part No. Al-500)

# Disassembly, Assembly and Replacement of Functional Parts

#### 1. Disassembly and Assembly of Bottom Cover

- (1) Turn the mechanism around as shown in Figure 1.
- (2) Remove M1 lock washer ① as shown in Figure 1.
- (3) Remove three screws (2) as shown in Figure 1.
- (4) Lift the bottom cover slowly from the position (A)-1, pull the hooks out of the holes in the chassis, and remove the bottom cover as shown in Figure 1.
- (5) When remounting the bottom cover, first turn the front of the mechanism up as shown in Figure 2.
- (6) Slide the slider in the direction (A)-2 as shown in Figure 2.
- (7) Push down the cassette holder in the direction (A)-3 as shown in Figure 2.
- (8) Pull the door pin in the direction (A)-4 so that the mechanism is locked in as shown in Figure 2.
- (9) Turn the mechanism around as shown in Figure 3.
- (10)Pull the automatic metal lever in the direction (a)-5 and the RF solenoid chip in the direction (a)-6 as shown in Figure 3.
- (11) Insert the hooks of the bottom cover into the chassis in the direction (a)-7, and then join the part (a)-8 of the bottom cover to the chassis slowly, making sure that the 3 points indicated with the straight lines in the Figure 3 are fitted properly.
  - If there are troubles in mounting the bottom cover, do not apply force but remove the bottom cover once again and check the positions of the individual parts. (Refer to Figure 3.)
- (12)Since the hooks marked (A)-8 will be lifted slightly as shown in Figure 4, insert the jig through the hole (A)-9, and fix it turning the jig slightly in the direction (A)-11.

  Instead of operation (12), turn the gear nose slowly with a precision screwdriver etc., taking care not to damage it.

  After 2 to 3 turns, it will click into place.
- (13) Fix the screws and the lock washer that have been removed.

(Refer to Figures 4 and 5.)

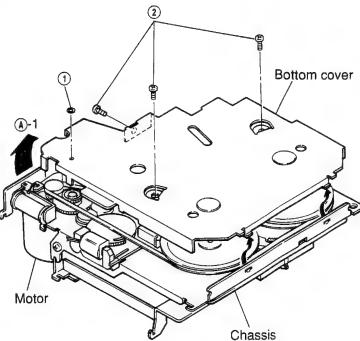


Figure 1

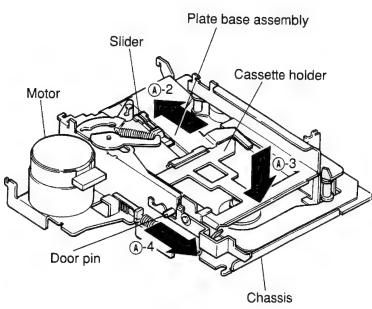


Figure 2

(14)Insert the jig into the hole (a)-9 as shown in Figure and rotate the eject solenoid counterclockwise about 20 times, pulling it in the direction (a)-10 with the finger.

Then the eject operation is completed.

Instead of operation (14), the eject operation can be performed by mounting the mechanism to the product. (Refer to Figures 4 and 5.)

Note: Do not reuse the used lock washers for mounting.

When turning the mechanism, be careful not

to drop the gear and the flywheel.

Fasten the three screws with a fastening torque of 6 kg.cm.

Bottom cover

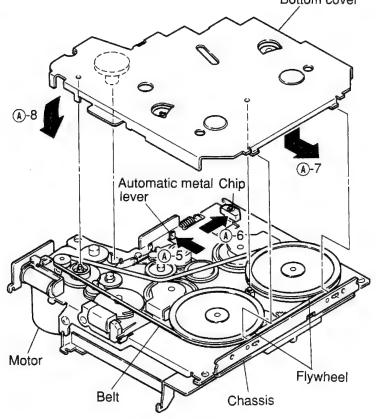


Figure 3

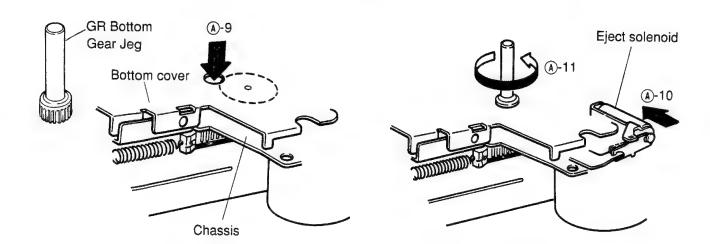


Figure 4

Figure 5

## 2. Replacement of the bottom cover mounting parts

- a. Replacement of the eject gear
  - (1) Remove M1.2 lock washer ③ as shown in Figure 6.
  - (2) Pull the eject pinion out of the eject gear and remove the eject gear as shown in Figure 6.
  - (3) Apply the molykote E paste to the section ®-1, and mount the eject gear following the removal steps in the reverse order. After replacement is finished, make sure that the gear rotates smoothly. (Refer to Figure 6.)

**Note:** Do not reuse the used lock washers for remounting.

Take care to avoid damage by piercing and tearing.

- b. Replacement of the RF solenoid
  - (1) Remove two solders (4) and remove the RF solenoid from the bottom cover by pulling it up as shown in Figure 6.
  - (2) Replace the solenoid with a new one, and remount it following the removal steps in the reverse order as shown in Figure 6.

Note: When removing solder 4, set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged.

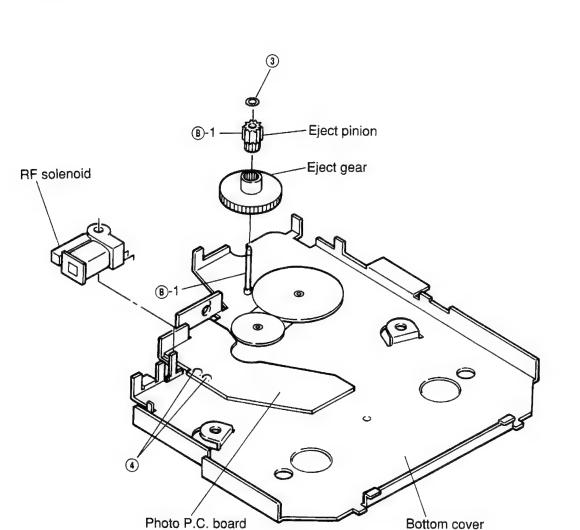


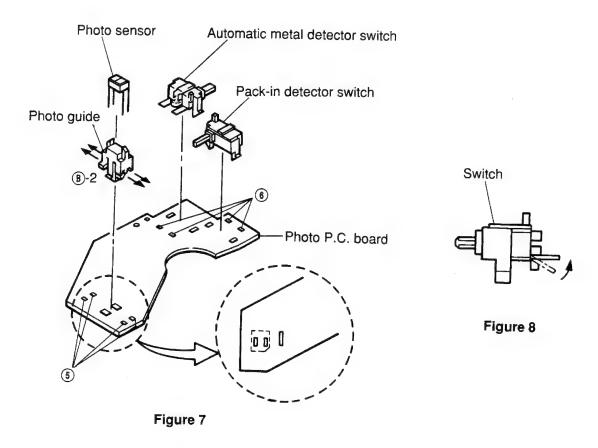
Figure 6

- c. Replacement of the photo sensor
  - (1) Remove four solders (5) as shown in Figure 7.
  - (2) Remove the photo guide together with the photo sensor from the photo P.C. board as shown in Figure 7.
  - (3) Insert the new photo sensor into the photo guide, and bend the legs of the photo sensor in the direction marked (a)-2 as shown in Figure 7.
- (4) Insert the photo guide into the P.C. board and solder the legs so that the photo sensor is set as indicated by []] in Figure 7.

Note: When using the soldering iron, set the temperature of the soldering iron to 350° ± 10° and the soldering time to 1 – 3 seconds. Take care that the solder is not loose, that there is no shortcircuit and that the coating is not damaged. Also take care that the photo guide is properly fixed and straight.

- d. Replacement of the detector switch (Automatic metal pack-in)
- (1) Remove 4 solders (a) with which the switch is fixed as shown in Figure 7.
- (2) Prepare the terminals of the switch of the new solder as shown in Figure 8.
- (3) After that, insert the switch into the photo P.C. board, and solder the terminals.

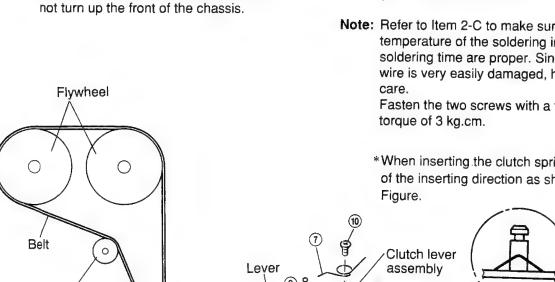
Note: When using the soldering iron, refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Also take care that the switch guide is properly fixed and straight.



#### 3. Replacement of the mounting parts on the rear of the main chassis

- a. Replacement of the belt
  - (1) After removing the bottom cover, remove the
  - (2) Clean the new belt with absolute alcohol, and fix it as shown in Figure 9.

Note: When fixing the belt, make sure that it is not twisted or dirty. When removing the belt, do



of the inserting direction as shown in the Pully idler Pulley idler Motor pully Figure 9 -Take-up gear gear `Pause Clutch spring idler gear Motor idler gear Eject solenoid Riv takeup lever assembly

Figure 10

Pause gear

Play solenoid

- b. Replacement of the motor
  - (1) After removing the belt, remove spring (7) as shown in Figure 10.
  - (2) Remove solder (8-1, and remove the parallel wire (5P) from the control P.C. board as shown in Figure 11.
- (3) Remove two screws (9) and (10), and remove the motor, taking care not to damage the motor idler gear. (Refer to Figure 10.)
- (4) Mount the new motor following the removal steps in the reverse order.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Since the parallel wire is very easily damaged, handle it with

Fasten the two screws with a fastening

\*When inserting the clutch spring, be careful

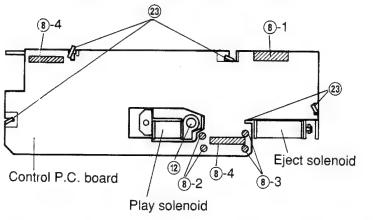
Chassis

- c. Replacement of the flywheels
- (1) After removing the belt, pull out the two flywheels. Take care not to loose the polyslider washer (1) located between the flywheel and the chassis. (Refer to Figure 12.)
- (2) Fix the polyslider washer to the new flywheel and mount the flywheel to the chassis.
- d. Replacement of the play solenoid
  - (1) Remove the two solders (3)-2 as shown in Figure 11.
- (2) Remove one screw (12) and remove the solenoid as shown in Figure 11.
- (3) Mount the new solenoid following the removal steps in the reverse order.

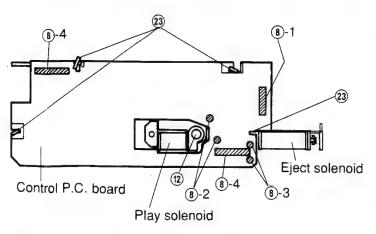
Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 2.3 kg.cm.

- e. Replacement of the eject solenoid
  - (1) Remove two solders (8)-3. Take care not to loose the tube that protects the wire. (Refer to Figure 11.)
- (2) Remove screw (9) and remove the play solenoid as shown in Figure 10.
- (3) Align position (c)-1 of the new solenoid with position ©-2 of the lever and fasten the screw as shown in Figure 10.
- (4) Lead the wire through the tube and solder it.

Note: Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Fasten the screws with a fastening torque of 3 kg.cm. As the solder wires are not insulated, do not let them cross each other.



[For GR75E020, GR75E010, GR75E01A, GR75E01C models]



[For GR75L020, GR75L010 models]

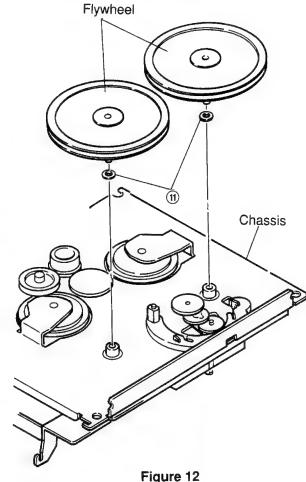


Figure 11

Motor

### Sujel

#### f. Replacement of gears

- (f-1) Replacement of the reverse idler gear
  - (1) Remove M1.2 lock washer (3), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
  - (2) Remount following the removal steps in the reverse order.

#### (f-2) Replacement of the sun gear

- (1) Remove M1.2 lock washer (4), pull it up from the stud of the chassis and remove the gear as shown in Figure 13.
- (2) Mount it, following the removal steps in the reverse order.

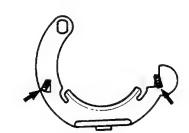
#### (f-3) Replacement of the fixing gear

- (1) Adjust the two mounting claws for the fix gear on the chassis (§) and remove the section (©-3 of the gear by pulling it up in the direction of the arrow shown in Figure 13.
- (2) Insert the section ©-4 of the new gear into the chassis, and mount it following the removal steps in the reverse order as shown in Figure 13.
- (f-4) Replacement of the reverse lever assembly and planet gear
  - Remove both the fixing gear and the sun gear and remove the reverse lever assembly as shown in Figure 13.
  - (2) Remove M1.7 lock washer (6) and remove the planet gear as shown in Figure 14.
  - (3) Mount the new planet gear and reverse lever following the removal steps in the reverse order.

#### Notes on f-1 through f-4:

After mounting all parts, check if the reverse lever moves in the directions marked ©-5 when the reverse gear is turned clockwise and counterclockwise.

\*After mounting the fixing gear, bend the claws (5) into the form of as shown in the Figure.



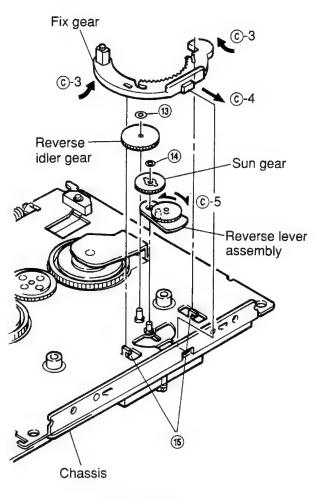


Figure 13

- (f-5) Replacement of the clutch lever assembly and eject idler gear
- (1) After removing the motor, remove the motor idler gear and the motor idler gear (B) and remove the clutch lever assembly as shown in Figure 10.
- (2) Remove M1.2 lock washer (1) and remove the eject idler gear as shown in Figure 15.
- (3) Mount the new gears and clutch lever following the removal steps in the reverse order.

Note: When mounting the gears to the lever, apply grease (FLOIL 425A) to the position ©-6 as shown in Figure 15. Align the position ©-7 with the position ©-8 and mount the clutch lever as shown in Figures 10 and 15.

#### (f-6) Replacement of the pause gear

- (1) Remove M1.2 lock washer (18) and remove the pause gear pulling it up from the stud of the chassis as shown in Figure 10.
- (2) Mount the new gear following the removal steps in the reverse order.

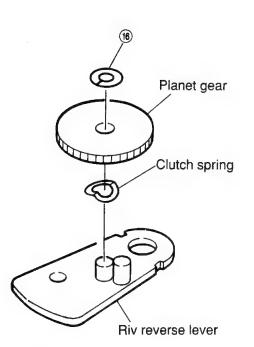
- (f-7) Replacement of the pause idler gear (B)
- (1) After removing the motor and the motor idler gear, remove M1.2 lock washer (9) and remove the gear by pulling it up from the stud of the chassis as shown in Figure 10.
- (2) Mount the new gear by following the removal steps in the reverse order.

#### (f-8) Replacement of the take-up gear

- (1) After removing the belt and the pulley idler gear, remove M1.2 lock washer (2) by pulling it up from the stud of the riv take-up lever assembly as shown in Figure 10.
- (2) Remount the take-up gear following the removal steps in the reverse order.

#### Notes on f:

Do not reuse the used washers. Take care to avoid damage by piercing and tearing.



[Disassembly Reverse Lever Assembly]

Figure 14

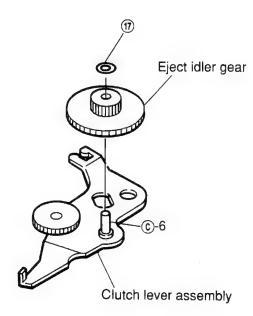


Figure 15

#### 4. Replacement of the parts mounted on the front of the chassis

- a. Replacement of the audio P.C. board
  - (1) Remove two solders ② and remove the parallel wire (7P) and the head P.C. board as shown in Figure 16.
  - (2) Adjust the two claws ② to the rectangular holes on the P.C. board and remove the P.C. board as shown in Figure 16.
  - (3) After replacement, mount the new P.C. board following the removal steps in the reverse order

Note: The head P.C. board and the parallel wire are easily damaged. Handle them with care. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board.

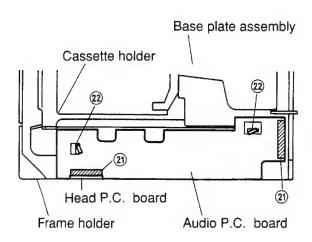


Figure 16

- b. Replacement of the control P.C. board
  - (1) Remove seven solders (8) and remove the three parallel wires and the wires of the eject solenoid and of the play solenoid as shown in Figure 11.
  - (2) Remove five claws ② and remove the P.C. board as shown in Figure 11. [For GR75E020, GR75E010, GR75E01A, GR75E01C models] Remove four claws ② and remove the P.C. board as shown in Figure 11. [For GR75L020, GR75L010 models]
  - (3) After replacing the old P.C. board with a new one, mount it following the removal steps in the reverse order.

Note: As mentioned in Item 4-a, handle the parallel wires carefully, and be sure that the temperature of the soldering iron and the soldering time are proper. As the wires of the eject solenoid are not insulated, do not let them cross each other.

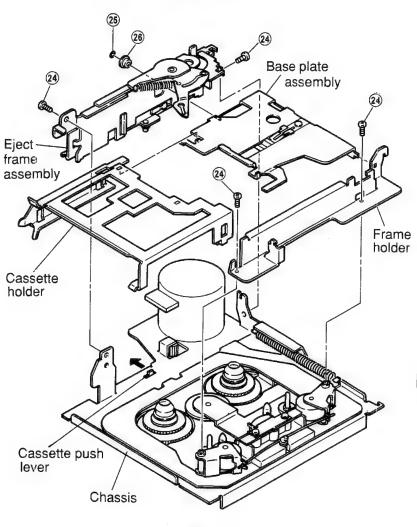


Figure 17

- c. Disassembly and assembly of the cassette holder
- (1) Remove four screws (24) and remove the eject frame assembly and the frame holder as shown in Figure 17.
- (2) Remove M1.2 lock washer (25) and plate base roller (26) and remove the cassette holder and the base plate assembly as shown in Figure 17
- (3) Remount them following the removal steps in the reverse order.

Notes: 1. When mounting the cassette holder and the base plate, insert the slider shaft into the eject arm and fix them turning the slider shaft in the direction indicated by the arrow in the figure. Make sure that the cassette holder and the base plate are in the cassette-in mode during this operation. (Refer to Figure 18).

- When mounting the eject frame assembly, push the cassette push lever in the direction indicated by the arrow in the Figure 17.
- When mounting the base plate assembly and the eject frame assembly, or when mounting the eject frame assembly to the chassis, do not apply excessive force to avoid deformations of the eject arm and the frame.

 Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

Eject arm

Base plate

Slider

- d. Replacement of the reels
  - (1) Remove M1.7 two lock washers (a) (Refer to figure 19).
  - (2) Move the select lever in the direction marked ①-1 in the Figure and remove the reel by gripping the reel gear as shown in Figure 19.
- (3) After replacement, mount the new reels following the removal steps in the reverse order.
- (4) After mounting, check the tape speed and the wow and flutter with test tape MTT-111.

**Note:** Since the reel is easily loosened if the cap is gripped, always handle it gripping the gear. Do not reuse the used washers. Take care to avoid damage by piercing and tearing.

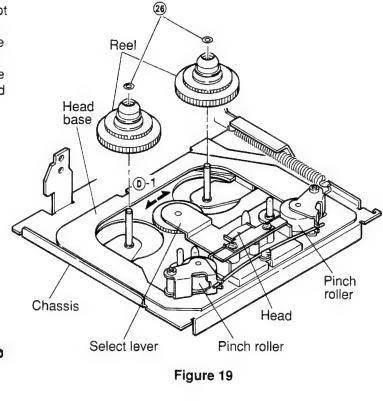


Figure 18



- e. Replacement of the pinch rollers
- (1) Remove pinch roller spring ② as shown in Figure 20.
- (2) Remove M3.1 two lock washers 28 and remove the pinch roller as shown in Figure 20.
- (3) Mount the pinch rollers following the removal steps in the reverse order. Apply insulation coating to the position (0)-2 of the pinch roller as shown in Figure 20.

**Note:** Make sure that the pinch rollers are thoroughly fixed and that they are not deformed. Do not reuse used lock washers. Take care to avoid damage by piercing and tearing.

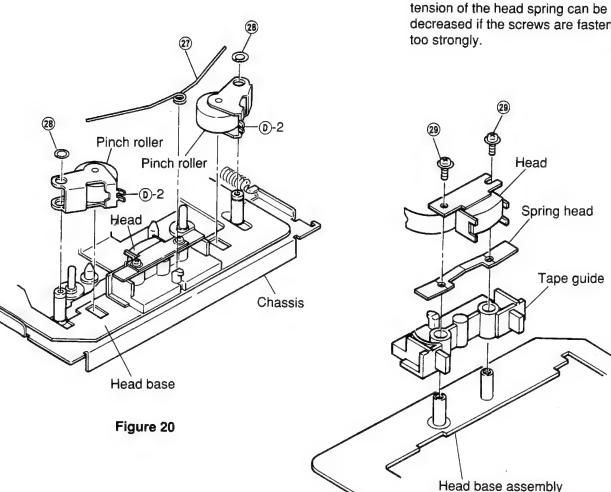


Figure 21

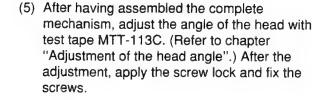
- f. Replacement of the head
  - (1) After removing the pinch roller spring, remove two screws (29) as shown in Figure 21.
  - (2) Remove solder 30 and remove the head from the head P.C. board as shown in Figure 22.
  - (3) After replacement, mount the new head following the removal steps in the reverse

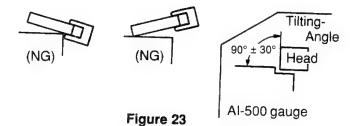
Notes: 1. Refer to Item 2-C to make sure that the temperature of the soldering iron and the soldering time are proper. Do not bring the soldering iron near the head P.C. board. Make sure that the head P.C. board is not lifted.

> 2. Fasten the two screws with a fastening torque of 2.3 kg.cm. Note that the tension of the head spring can be decreased if the screws are fastened

- (4) Adjust the height of the head as shown in Figures 23, 24 and 25.
- 1) Place the height adjustment gauge (Al-500) on the head base, and adjust the height so that the check bar fits in the tape head guide smoothly.
- 2) When the check bar touches the top (or bottom) of the tape guide, insert a spacer (t 0.1 mm or polislider washer t 0.13 mm). If necessary, remove the spacer.

Note: If you do not have a height gauge like described in (4)-1, run the tape at normal speed and adjust the height of the head and the tape head guide so that the tape does not curl.





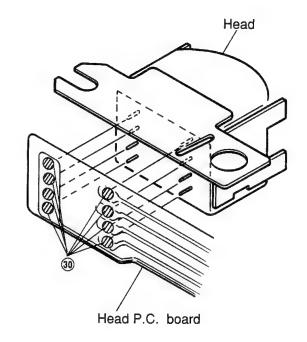


Figure 22

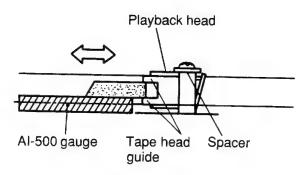
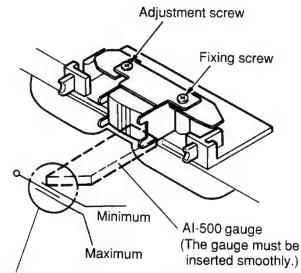


Figure 24

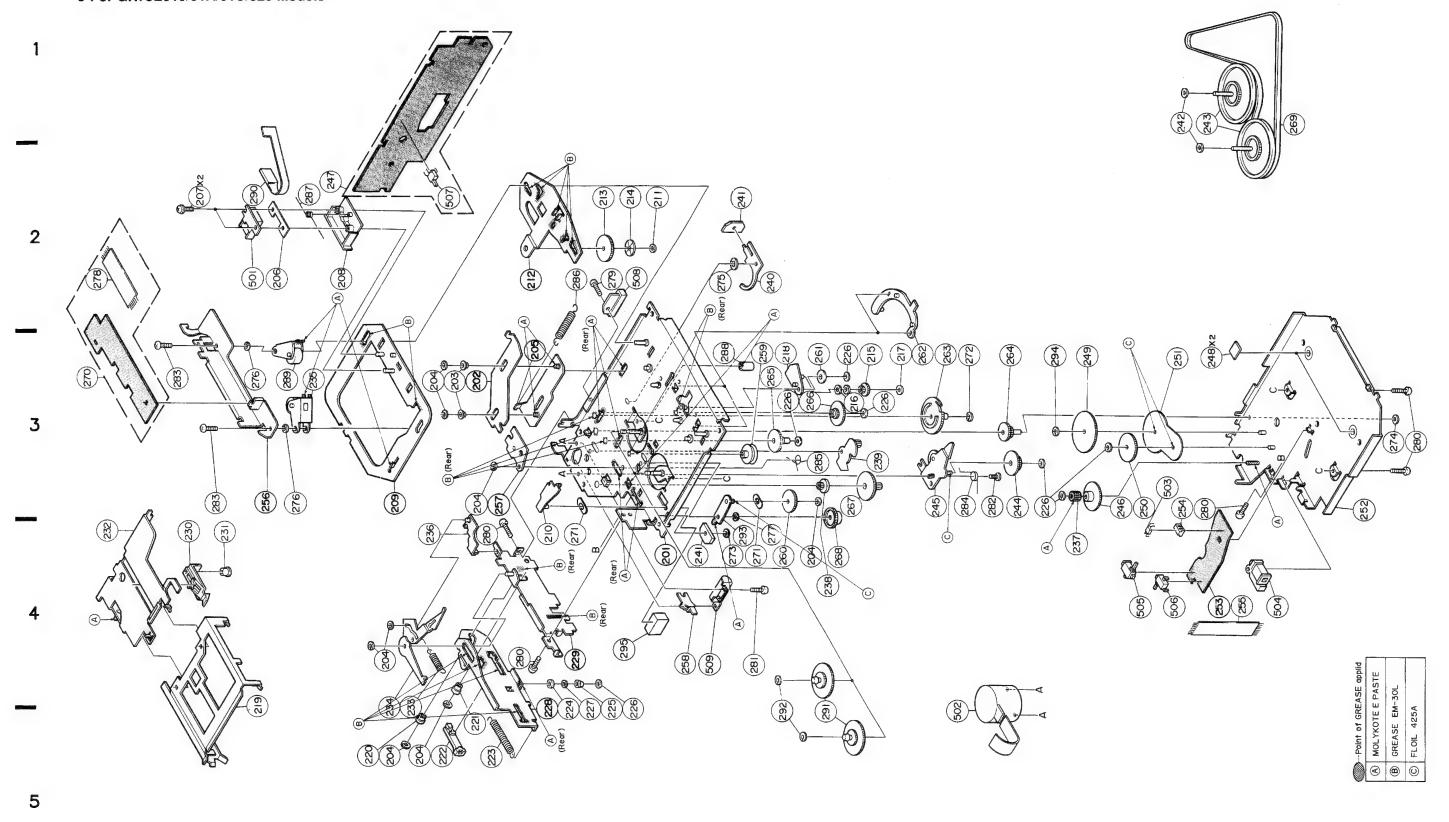


The nosepiece of the gauge must be between the minimum and maximum positions.

Figure 25

#### Exploded View (1/3)

• For GR75E010/01A/01C/020 Models



\_

1

D

E

1

Н

## Cassette Deck Assembly Parts

∎bol	1 N-	Part No.	Description
No.	dex		
203	3-C	43A11072W01	Roller, Sub Head
204		04B41345P01	Washer, Lock (M1.2)
206	2-B	41A10095W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	AssyRiv Lever R/F
211	2-D	04B41345P29	Washer, Lock (M2.6)
213	2-D	44A10295W01	Gear. Sensor
214	ł	14A10681W01	Reflector
215	1	44A10142W01	Gear, Planet
216	3-E	41A10097W02	Spring, Clutch
217	3-E	04B41345P35	Washer, Lock(M1.7)
218	3-E	01A21853W01	Assy., Riv Lever
			Reverse
219	4-B	07B10074W01	Holder, Cassette
220	5-B	43A12583W01	Roller, Eject
221	5-C	43A63281F01	Roller, Plate Base
222	1	44A82206F01	Rack
223	1		
		41B10386W03	Spring, GR(Rack)
224		43A10121W01	Roller, Eject A
225	4-D	43A10360W01	Roller, Eject B
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller. Eject C
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	AssyRiv Plate Base
233	4-C	41B10386W01	Spring, Eject Arm
234	4-B	01A10148W01	Assy., Riv Eject
			Ars A
235	3-B	01B10381W02	Assy Pinch Roller
236	4-C	45A10087W01	Lever Pack In SW
237	4-F	44A12975W01	Pinion. Eject
238	4-E	44A13617W01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy., Riv Lever
		, , , , , , , , , , , , , , , , , , , ,	Pause
240	2-D	45A10092W01	Lever, Play
241	"	76T10374W01	Chip
	1.0		1
242	1-G	04S40075G05	Washer Polyslider (M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244	3-F	44A10141W01	Gear, Eject Idler
245	3-E	01A10205W01	Assy., Riv Lever
740	0-6	01V10509#01	Clutch A
246	3-F	44A10145W01	Gear. Eject
247	2-B	01V11500W18	Assy GR Control
			P.C. Board

L	ist	(1	<b>/3</b> )	
<u> </u>	unh a l		e: The parts	without parts list are not supplied.
5)	v∎boi No.	IN- dex	Part No.	Description
	248	3-G	43A90918F01	Spacer. Polyslider
	249	3-F	44A11063W01	Gear. Bottom A
	250	3-F	44A11064W01	Gear, Bottom B
	251	3-G	34A11122W02	Washer, GR
	252	3-H	01A10210W02	Assy., Riv. Cover Bottom
	254	3-G	15B11065W01	Guide, Photo
	255	4-G	30T15126W01	Wire, PC Sensor(7P)
	258	4-D	45A10101W01	Lever, Eject Sol
	259	3-D	49A10131W01	Pulley. Idler
	260	4-E	44A10133W01	Gear. Take Up
	261	3-E	44A10134W01	Gear, Sun
	262	3-E	44B10135W01	Gear. Fix
	263	3-E	44B10136W01	Gear, Pause
	264	3-F	44A10137W01	Gear, Pause Idler A
	265	3-D	44A10379W01	Gear, Pause Idler B
	266	3-E	44A10138W01	Gear, Reverse Idler
	267	. –	44A10139W01	Gear, Motor Idler
	268		44A11062W01	Gear. Reel Idler
	269			Belt, GR
	270	3-A	01V14700V68	Assy., GR Audio
			01111100400	P.C. Board
	270	3-A	01V11500W19	Assy., GR Audio P.C. Board
•	270	3 <b>-A</b>	01V11500W19	Assy., GR Audio
				P.C. Board
0	270	3-A	01V11500W19	Assy., GR Audio P.C. Board
	271	4-D	41A10097W02	Spring, Clutch
	272	3-F		Washer, Lock (M1.2)
	273	4-D	04B41345P02	Washer, Lock(M1.7)
1	274	3-H	04B41345P17	Washer, Lock(M1)
	275	2-D	04B41345P30	Washer, Lock(M3.1)
	276	3-B	04B41345P32	Washer, Lock (M3.1)
	277	4-E	04B41345P06	Washer, Lock(M2.1)
	278	2-A	30T15126W02	Wire, PC Joint 7P
	279	2-A	03S44205G78	Screw. Pan(M2x6)
	280	2-10		Screw. Pan(M2.6x4)
		4	03S44205G30	
	281	4-D	03S72235F38	Screw, Pan(M2x3.3)
	282	3-F	08A12132W02	Screw. Eject Clutch (M2x2.3)
	283		03S43997P64	Screw, Pan(M1.7x3)
	284	3-F	41A10384W01	Spring, Eject Clutch
	285	3-E	41A10384W01	Spring, Eject Clotten Spring, Cas Push
	286	3-E 2-C	41A1U385WU1 41B10386W02	Spring, Cas Push Spring, Sub Head
	287	2-C 2-B	41A10387W01	Spring, Sub Head Spring, Pinch Roller
	288	3-D	48A12719W01	Roller, Pause

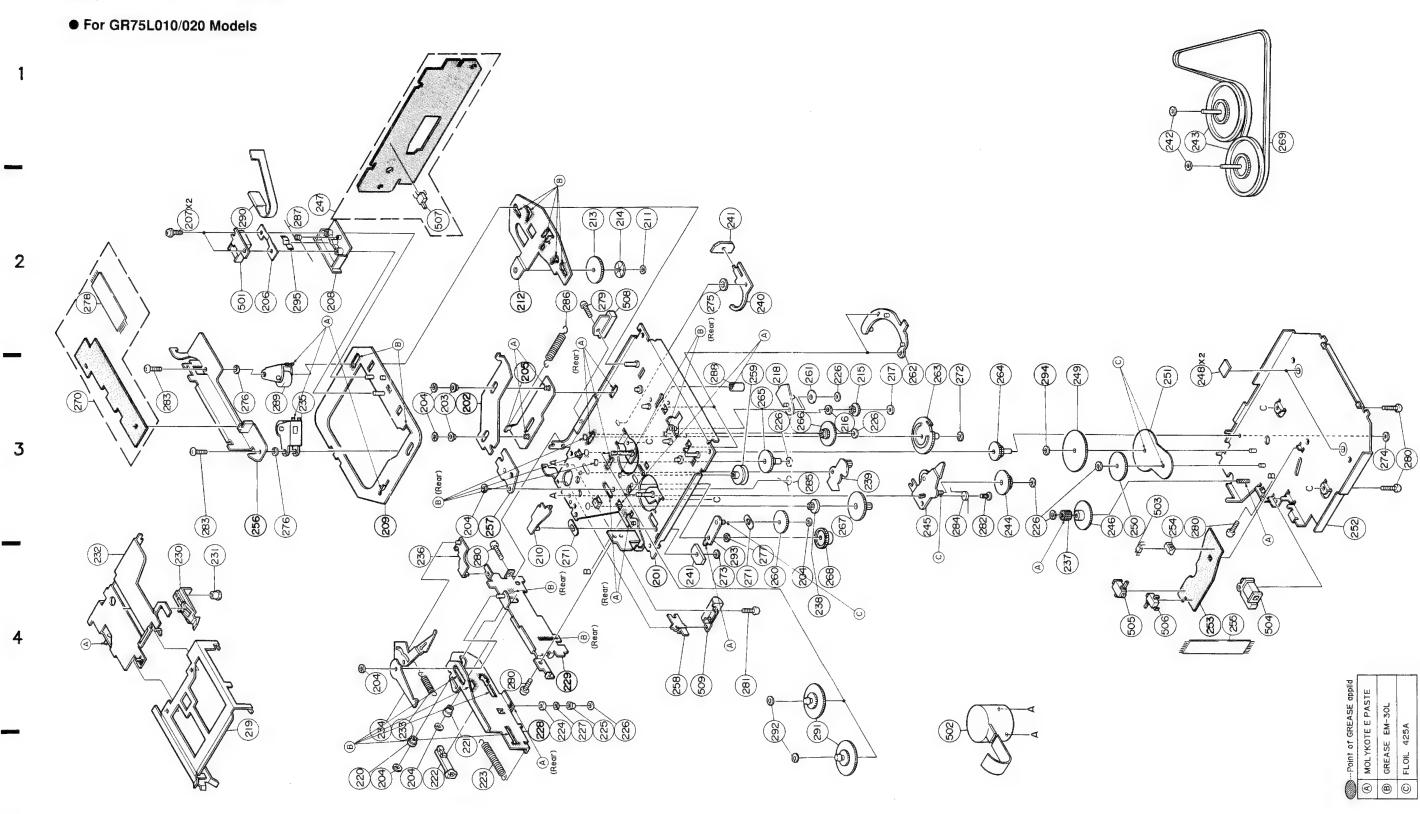
S	mbol No.	l N- dex	Part No.	Description
	289	3-B	01B10381W01	Assy., Pinch Roller
	290	2-B	84T10367W01	Head P.C. Board
•	291	4-E	01T15164W01	Assy., Reel
Ĭ	291	4-E	01T15164W01	Assy., Reel
_	291	4-E	01T15164W01	Assy., Reel
	251	4-E	01113104#02	ASSY., Reel
0	291	4-E	01T15164W01	Assy Reel
	292	4-E	04B41345P12	Washer, Lock (M1.7)
•	293	4-D	01A11078W01	Assy., Riv Lever
				Take Up
	293	4-D	01A11078W01	Assy. Riv Lever
_			***************************************	Take Up
•	293	4-D	01A11078W01	Assy Riv Lever
_	200	1 0	OIMITOTOROI	Take Up
				Take op
0	293	4-D	01A30161W01	Assy Riv Lever
-				Take Up
	294	3-F	04B41345P34	Washer, Lock (M1.2)
	295	4-D	75S12196W88	Rubber. Pad
$\dashv$				
			Misce	ellaneous
•	501	2-B	88T15971W01	Head
	501	2-B	88T10373W01	Head
<b>A</b>	501	2-B	88T10373W01	llead
$\circ$	501	2-B	88T10373W01	Head
Ì	502	4-E	01V11500W64	Assy., Motor
	503	3-G	51T15144W01	Sensor, Photo
	504	4-G	01T10371W01	R/F Sol. Assy.
	505	4-F	40T15382W01	SW., Detector
	F00		1001500000	(Pack Down)
	506		40T15382W01	SW., Detector(Metal)
	507	2-C	40T15222W01	SW., Detector (Pack in)
	508	2-D	01T15249W01	Assy., Play Solenoid
	509	4-D	01T10369W02	Assy. Eject Solenoid
		1 2	01110003#02	nssy., Eject sorenord
	1			
Ì				
		1		

Notes : ● ; For GR75E020 model only ■ ; For GR75E010 model only

Others; Common ▲; For GR75E01A model only ○; For GR75E01C model only

Others ; Common





Н



## Cassette Deck Assembly Parts List (2/3)

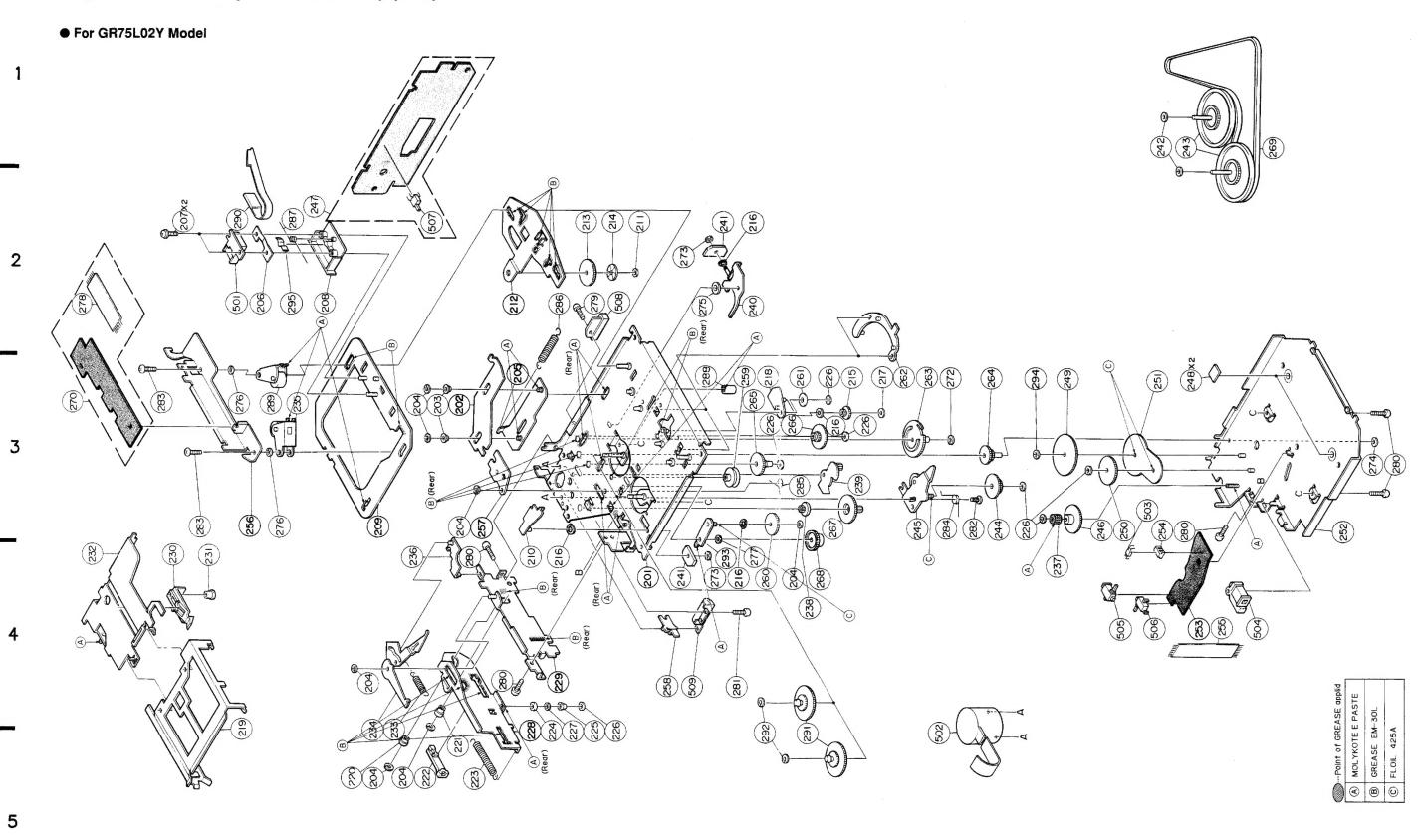
N h . 1	LN	T	Ψ
Sympbol No.	IN- dex	Part No.	Description
203	3-C	43A11072W01	Roll, Sub Head
204		04B41345P01	Washer, Lock (M1.2)
206	2-B	41A21671W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
210	4-C	01A10206W01	Assy., Riv Lever R/F
211	2-D	04B41345P29	Washer, Lock(M2.6)
213	2-D	44A10295W01	Gear, Sensor
214	2-D	14A10681W01	Reflector
215	3-E	44A10142W01	Gear, Planet
		11110115801	Coal Flanet
216	3-E	41A10097W02	Spring. Clutch
217	3-E	04B41345P31	Washer, Lock(M1.7)
218	3-E	01A21853W01	Assy Riv Lever
			Reverse
219	4-B	07B10074W01	Holder. Cassette
220	5-B	43A12583W01	Roller, Eject
221	5-C	43A22153W01	Police Dista Page
222	1		Roller, Plate Base
		44A82206F01	Rack
223		41B10386W03	Spring, GR(Rack)
224		43A10121W01	Roller, Eject(A)
225	4-D	43A10360W01	Roller. Eject(B)
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller, Eject(C)
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy., Riv Plate Base
233	4-C	41B10386W01	Spring, Eject Arm
234	4-B	01A21754W01	Assy., Riv Eject
•••			Arm(A)
235	3-B	01B10381W02	Assy., Pinch Roller
236	4-C	45A10087W01	Lever, Pack In SW.
237	4-F	44A20314W01	Pinion. Eject
200			
238	4-E	44A13617W01	Gear, Motor Idler(B)
239	3-E	01A10201W02	Assy Riv Lever
			Pause
240	2-D	45A10092W01	Lever, Play
241		76T10374W01	Chip
242	1-G	04S40075G05	Washer. Polyslider
			(M2.1)
243	1-G	01A10368W01	Assy., Flywheel
244	3-F	44A10141W02	Gear. Eject Idler
245	3-E	01A10205W02	Assy., Riv Lever
			Clutch(A)
246	3-F	44A10145W01	Gear. Eject
247	2-B	01V23700W03	Assy., GR Control
			P.C. Board

S	ymbol	IN-		without parts list are not supplied.
	No.	dex	Part No.	Description
	248	3-G	43A90918F01	Spacer, Polyslider
	249	3-F	44A11063W01	Gear, Bottom(A)
	250	3-F	44A11064W01	Gear. Bottom (B)
	251	3-G	34A11122W02	Washer, GR
	252	3-H	01A10210V02	Assy., Riv. Cover Bottom
		"		Addy Mr. Botol Bottom
	254	3-G	15B11065W01	Guide, Photo
	255	4-G	30T15126W01	Wire. PC Sensor(7P)
	258	4-D	45A10101W01	Lever. Eject Sol.
	259	3-D	49A10131W01	Pulley, Idler
	260	4-E	44A10133W01	Gear. Take Up
	261		44A10134W01	Gear. Sun
	262		44B10135W01	Gear. Fix
	263	1	44B21670W01	Gear. Pause
	264	3-F	44A10137W01	Gear. Pause Idler(A)
	265	3-D	44A10379W01	Gear. Pause Idler(B)
	266	3-E	44A10138W01	Gear, Reverse Idler
	267		44A10139W01	Gear. Motor Idler
	268		44A11062W01	Gear, Reel Idler
	269		42A10380W01	Belt. GR
*	270	3-A	01V11500W19	Assy. GR Audio
^	2,0	0 "	01111000#15	P.C. Board
•	270	3-A	01V14700W68	Assy. GR Audio
				P.C. Board
	271		41A10097W02	Spring, Clutch
	272	3-F	04B41345P15	Washer, Lock(M1.2)
	273	4-D	04B41345P02	Washer, Lock(M1.7)
	274	3-H	04B41345P17	Washer, Lock(M1)
	275	2-D	04B41345P30	Washer, Lock(M3.1)
	276	3-B	04B41345P32	Washer, Lock (M3.1)
	277	4-E	04B41345P06	Washer, Lock (M2.1)
	278	2-A	30T15126W02	
	279	2-h 2-D	03S44205G78	Wire, PC Joint 7P Screw, Pan(M2x6)
	280		03S44205G30	Screw. Pan(M2.6x4)
	281	4-D	03S72235F38	Screw. Pan(M2x3.3)
	282	3-F	03A12132W02	Screw. Eject Clutch
	000		00010000001	(M2x2.3)
	283		03S43997P64	Screw. Pan(M1.7x3)
	284	3-F	41A10384W01	Spring, Eject Clutch
	285	3-E	41A10385W01	Spring, Cas. Push
	286	2-C	41B10386W02	Spring, Sub Head
	287	2-B	41A10387W01	Spring, Pinch Roller
	288	3-D	43A12719W01	Roller, Pause
	289	3-B	01B10381W01	Assy., Pinch Roller
	290	2-B	84T10367W01	Head P.C. Board
- 1				

S	mbol	IN-	Part No.	Description
	No.	dex	1611 110.	DOGGI I PLI OII
	291	4-E	01T15164W03	Assy., Reel
	292	4-E	04B41345P12	Washer, Lock(M1.7)
	293	4-D	01A11078W01	Assy., Riv Lever
				Take Up
	294	3-F	04B41345P34	Washer, Lock(M1.2)
	295	2-B	26A20537W01	Shield, Plate
	200	-	50.150001, #01	
	L	L	Misce	ellaneous
*	501	2-B	88T10373W01	Head
^	501	2-B	88T15971W01	Head
•	502	4-E	01V23900W60	Assy., Motor
	503		51T15144W01	Sensor, Photo
	504	4-G	01T10371W01	R/F Sol. Assy
	505	)	40T15382W01	SW. Detector (Pack Down)
			40T15382W01	SW. Detector (Metal)
	507	2-C	40T15222W01	SW., Detector (Pack In)
	508	2-D	01T15249W01	Assy., Play Solenoid
	509	4-D	01T10369W02	Assy., Eject Solenoid
			. (	
	K			
			İ	
				<u> </u>
- 1				

Notes : ★ ; For GR75L010 model only ◆ ; For GR75L020 model only Others ; Common

## Exploded View (GR-Y Series) (3/3)



## Cassette Deck Assembly Parts List (GR-Y Series) (3/3)

Symbol No.	IN- dex	Part No.	Description
203	3-C	43A11072W01	Roll, Sub Head
204		04B41345P01	Washer, Lock (M1.2)
206	2-B	41A21671W01	Spring, Head
207	2-B	03S40019G03	Screw. F-Locks (M2x4)
208	2-B	43B12545W01	Tape. Guide
200		40012040401	Tapor datas
210	4-C	01A10206W01	Assy., Riv Lever R/F
210	4.0	01/10/200#01	Sol.
215	2-D	04B41345P38	Washer, Lock(M2.6)
211	2-D	44A10295W01	Gear, Sensor
			Reflector
214	2-D	14A10681W01	
215	3-E	44A10142W01	Gear. Planet
0.0		414400071/00	On day Olyack
216	0.5	41A10097W02	Spring, Clutch
217	3-E	04B41345P31	Washer, Lock (M1.7)
218	3-E	01A21853W01	Assy., Riv Lever
			Reverse
219	4-B	07B10074W01	Holder, Cassette
220	5-B	43A12583W01	Roller, Eject
221	5-C	43A63281F01	Roller, Plate Base
222	5-C	44A82206F01	Rack
223	5-C	41B10386W03	Spring, GR(Rack)
224	4-C	43A10121W01	Roller, Eject(A)
225	4-D	43A10360W01	Roller, Eject(B)
226		04B41345P11	Washer, Lock(M1.2)
227	4-D	43A12377W01	Roller, Eject(C)
230	4-A	45B10376W01	Slider
231	4-B	47A63278F01	Shaft, Slider
232	4-A	01A10212W01	Assy Riv Plate Base
233	4-C	41B10386W01	Spring. Eject Arm
234	4-B	01A21754W01	Assy Riv Eject
			Arm(A)
235	3-B	01B10381W02	Assy Pinch Roller
236	4-C	45A10087W01	Lever, Pack in SW.
237	4-F	44A20314W01	Pinion, Eject
238	4-E	44A13617W01	Gear, Motor idler(B)
239	3-E	01A10201W02	Assy. Riv Lever
	1		Pause
240	2-D	01A30879W01	Assy., Riv. Play Sol.
241	-	76T10374W01	Chip
242	1-G	04S40075G05	Washer, Polyslider
242	1 0	01010000	(M2.1)
			()
243	1-G	01A10368W01	Assy., Flywheel
243	3-F	44A10141W01	Gear. Eject Idler
245	3-E	01A10205W02	Assy., Riv Lever
0.0		14110115101	Clutch(A)
248	3-F	44A10145W01	Gear, Eject
247	2-B	01V23700W04	Assy., GR Control
			P.C. Board

	Not	e: The parts w	ithout parts list are not supplied.
Symbol No.	I N- dex	Part No.	Description
248	-	43A90918F01	Spacer, Polyslider
249		44A11063W01	Gear, Bottom(A)
250		44A11064W01	Gear, Bottom(B)
251		34A11122W02	Washer, CR
252		01A10210W02	Assy., Riv. Cover Bottom
1 20.	0 "	OIMIODIONOS	1357.7 11.7. 65.6. 25.702
254	4 3-G	15B11065W01	Guide, Photo
25		30T15126W01	Wire, PC Sensor(7P)
258	1	45A10101W01	Lever, Eject Sol.
259		49A10131W01	Pulley. Idler
260		44A10133W01	Gear, Take Up
200	14.5	44/10100#01	dear Tano op
26.	1 3-E	44A10134W01	Gear, Sun
265		44B10135W01	Gear. Fix
26	1	44B21670W01	Gear. Pause
264		44A10137W01	Gear. Pause Idler(A)
26	1	44A10379W01	Gear, Pause Idler(B)
200	3 3-0	44010013801	deal; rause later(b)
260	8 3-E	44A10138W01	Gear, Reverse [dler
		44A10139W01	Gear, Motor Idler
26		44A11062W01	Gear, Reel Idler
26			Belt. GR
269		42A10380W01 01V33300W03	Assy., CR Audio
270	0 3-A	01422200#02	P.C. Board
			r.c. board
07	0 0 0	OADALOAEDIE	Washer, Lock(M1.2)
27		04B41345P15	Washer, Lock (MI.7)
273		04B41345P02	Washer, Lock(MI)
27	1	04B41345P17	Washer, Lock(M3.1)
27		04B41345P30	Washer, Lock(M3.1)
270	6 3-B	04B41345P32	washer, Lock(M3.1)
07	7 4-E	04B41345P37	Washer, Lock(M2.1)
27		30T15126W02	Wire, PC Joint 7P
27		03S44205G78	Screw, Pan(M2x6)
27		03S44205G30	Screw, Pan(M2.6x4)
281	1	03S72235F38	Screw, Pan(M2x3.3)
28.	1 4-D	03512235F36	Screw, Fan(M2X3.3)
28	0 2-0	03A12132W02	Screw. Eject Clutch
20.	2 3-F	03/12/13/202	(M2x2.3)
28	9	03S43997P64	Screw, Pan(M1.7x3)
28		41A10384W01	Spring, Eject Clutch
28		41A10385W01	Spring, Cas. Push
28		41B10386W02	Spring, Sub Head
200	2-0	41010380#02	Spiring, Sub head
28	7 2-B	41A10387W01	Spring, Pinch Roller
28	i	43A12719W01	Roller, Pause
28		01B10381W01	Assy., Pinch Roller
29		84T35271W01	Head P.C. Board
29	0 2-6	041352/1901	nead P.C. Board
		1	
	1	1	

Syr	nbol	I N-	Part No.	Description	
	No.	dex			
	291	4-E	01T15164W03	Assy., Reel	
	292	4-E	04B41345P12	Washer, Lock(M1.7)	
	293	4-D	01A30161W01	Assy Riv Lever	
				Take Up	
	294	3-F	04B41345P34	Washer, Lock(M1.2)	
	295	2-B	26A20537W01	Shield, Plate	
		L	Misc	ellaneous	
	501	2-B	88T15971W01	Head	
	502	4-E	01V23900W60	Assy., Motor	
	503	3-G	51T15144W01	Sensor, Photo	
	504	4-G	01T10371W01	R/F Sol. Assy	
	505	4-F	40T15382W01	SW. Detector (Pack Down)	
	506	4-G	40T15382W01	SW. Detector (Metal)	
	507	2-C	40T15222W01	SW. Detector (Pack In)	
	508	2-D	01T15249W01	Assy., Play Solenoid	
	509	4-D	01T10369W02	Assy., Eject Solenoid	
	000	1	01110000#02		
			1		
		1			
1					
	į				
ĺ			}		
1					
1					
1					
				1	